

# LIFTING SOLUTION SPECIALIST



Verkronn Lifting Solution Specialist, we are driven by a relentless passion for empowering individuals and businesses to reach new heights. Our brand stands tall as a beacon of excellence in the world of lifting solutions, offering cutting-edge technology, unparalleled expertise, and unrivaled customer satisfaction.



# **VERKRÖNN**

Schwerlast Hebezeugkranen 



# MANUAL HOISTING EQUIPMENTS



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# BEAM CLAMP

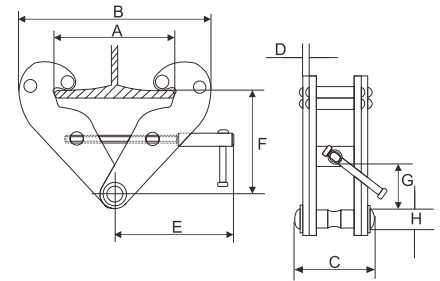
## BEAM CLAMP BC TYPE



Model	Capacity t	Proof Load kN	Beam Width mm	Dimensions(mm)										N.W. kg	Product Code	
				A		B		C	D	E	F		G			H
				max.	min.	max.	min.				max.					
BC010	1	19.6	75-230	240	192	367	94	4	194	102	154	22	20	4	150101000	
BC020	2	39.2	75-230	240	192	367	102	6	194	102	154	22	20	4.8	150102000	
BC030	3	58.8	80-345	355	243	520	132	8	241	133	223	38	22	9.8	150103000	
BC050	5	98	80-345	355	243	520	142	10	241	133	223	35	28	11.6	150105000	
BC100	10	196	90-350	360	272	532	180	12	284	155	234	47	38	17	150110000	

### Features:

- Firm anchor point for lifting and pulling.
- Spindle enables quick mounting.
- Designed to accommodate a wide range of beam width.
- Provide super quick adjustment to most I-beams and H-beams.
- Complies with the Machinery Directive 2006/42/EC.



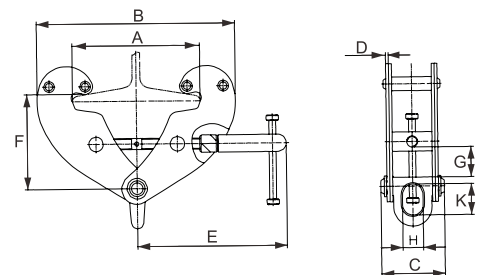
## BEAM CLAMP WITH RING BCR TYPE



Model	Capacity t	Proof Load kN	Beam Width mm	Dimensions(mm)											N.W. kg	Product Code	
				A		B		C	D	E	F		G	H			K
				max.	min.	max.	min.				max.						
BCR010	1	19.6	75-230	240	192	367	94	4	194	102	154	20	30	45	4.2	150201000	
BCR020	2	39.2	75-230	240	192	367	102	6	194	102	154	20	30	45	5.1	150202000	
BCR030	3	58.8	80-345	355	243	520	132	8	241	133	223	32	45	63	10.4	150203000	
BCR050	5	98	80-345	355	243	520	142	10	241	133	223	32	45	63	12.2	150205000	
BCR100	10	196	90-350	360	272	532	180	12	284	157	234	43	64	95	18.8	150210000	

### Features:

- Bottom ring for ease of attaching a chain or lever hoist.
- Firm anchor point for lifting and pulling.
- Spindle enables quick mounting.
- Designed to accommodate a wide range of beam width.
- Provide super quick adjustment to most I-beams and H-beams.
- Complies with the Machinery Directive 2006/42/EC.
- Folded handle(optional).

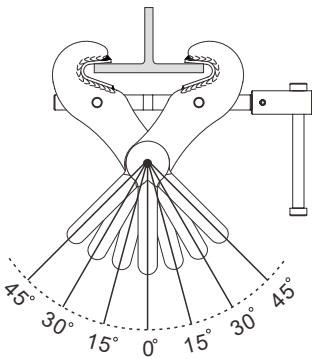


# BEAM CLAMP

## BEAM CLAMP WITH LIFTING SHACKLE BCL TYPE



Model	Capacity	Proof Load	Adjust Beam	Dimensions(mm)									N.W.	Product Code
	t	kN	mm	A	B	D	E <sub>max.</sub>	E <sub>min.</sub>	G	K <sub>max.</sub>	K <sub>min.</sub>	H	kg	
BCL020A	2	39.2	76-190	130	3	90	254	133	275	263	223	20	4	150302000
BCL032A	3.2	62.72	76-190	130	12	102	275	166	275	289	251	20	8	150303201
BCL032B	3.2	62.72	127-350	130	12	102	438	228	560	375	294	20	11.5	150303202
BCL040A	4	78.4	150-254	130	10	112	371	185	410	369	308	25	11	150304000
BCL050A	5	98	76-190	130	12	116	306	191	295	338	300	25	10	150305001
BCL050B	5	98	150-305	130	12	116	422	264	410	413	360	25	15	150305002
BCL060A	6	117.6	203-457	140	12	116	608	267	560	511	402	25	18.8	150306000
BCL100A	10	196	203-457	140	20	118	608	267	560	530	421	32	28	150310000
BCL150A	15	294	203-457	170	20	116.5	648	400	660	684	608	40	49.5	150315001
BCL150B	15	294	406-610	170	20	116.5	800	600	810	812	706	40	58.5	150315002



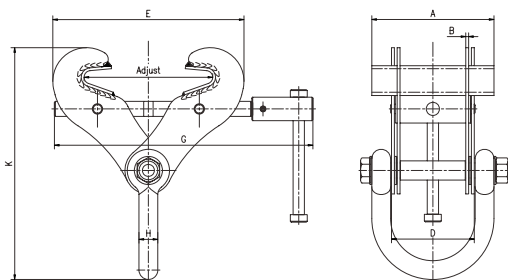
### Features:

- BCL type beam clamp can be used to an angle of 45° to the vertical. When the angle is moved away from the vertical the working load limit of the beam clamp will be reduced.
- This clamp is fitted with a 'gusset' in both jaws of the beam clamp maximizing contact between the beam and beam clamp and increasing the grip of the beam clamp.
- A shackle is fitted to the bottom of the beam clamp allowing an easy connection of the hoist to be attached.
- Spindle enables quick mounting.
- Designed to accommodate a wide range of beam width.
- Provides super quick adjustment to most I-beams and H-beams.
- Complies with the Machinery Directive 2006/42/EC.

### Reduction in working load limits when side loads applied:

Angles From Vertical	0°	0° to 15°	15° to 30°	30° to 45°
Reduction Factor	Nil	17%	34%	50%
Models	WLL	WLL	WLL	WLL
BCL020A	2T	N/A	N/A	N/A
BCL032A,BCL032B	3.2T	2.66T	2.11T	1.6T
BCL040A	4T	3.3T	2.6T	2T
BCL050A,BCL050B	5T	4.1T	3.3T	2.5T
BCL060A	6T	5T	4T	3T
BCL100A	10T	8.3T	6.6T	5T
BCL150A,BCL150B	15T	12.4T	10T	7.5T

- The above working load limits and derations have been established for BCL type beam clamps and apply only for overhead beam attachments. They DO NOT apply when used for lifting beams.





# BEAM CLAMP

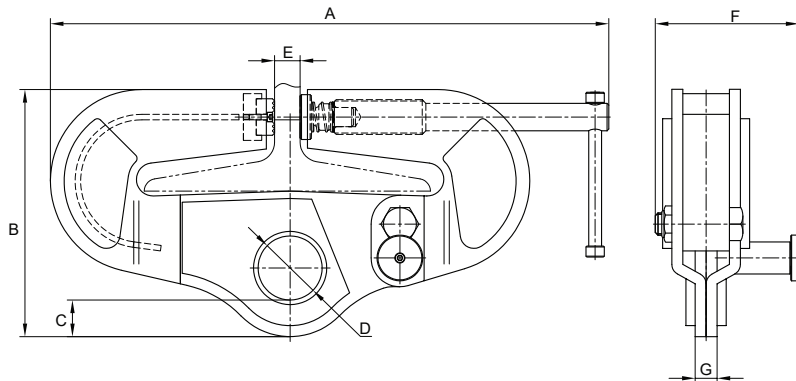
## UNIVERSAL BEAM CLAMP BCU TYPE



Model	Capacity	Proof Load	Adjustable Range	Dimensions(mm)							N. W.	Product Code
	t	kN	mm	A	B	C	D	E	F	G	kg	
BCU020S	2	39.2	76-204	450	203	22.5	Ø58	32.5	118	16	8.3	150402000
BCU032S	3.2	62.7	125-204	550	237	30	Ø60	32	133	20	14.5	150403200
BCU050S	5	98	125-305	615	270	37.5	Ø75	32	157	24	26.4	150405000
BCU100S	10	196	125-305	615	270	35	Ø80	32	225	44	38	150410001
BCU100W	10	196	225-405	700	298	38	Ø80	70	230	44	46.3	150410002

### Features:

- BCU type universal beam clamp is highly flexible in application and can be used for lifting, pulling or as a semi-permanent anchor point.
- It has been designed not only for vertical use, but also for side load applications, where conventional clamps are not suitable.
- It can be loaded at any angle and eliminates the use of spreader beams in various lifting operations.
- Fitted with an adjustable locking mechanism, ensuring secure clamping to the beam.
- Built-in suspension point for low headroom design.
- Lightweight design allowing for quick clamping and unclamping.
- Complies with the Machinery Directive 2006/42/EC.
- Warning: do not exceed working load limits or use this equipment for lifting flat plate sections.



# LIFTING CLAMP

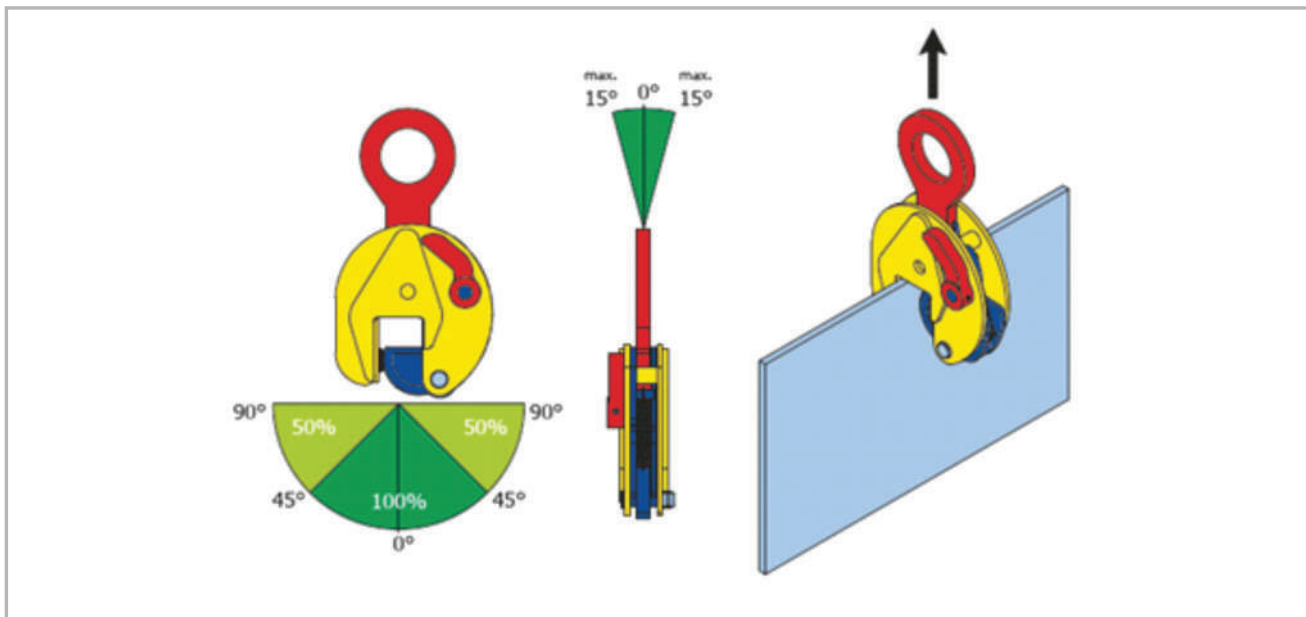
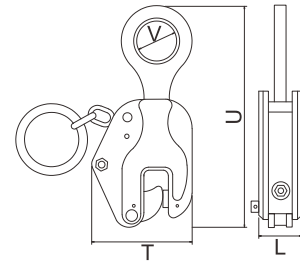
## VERTICAL LIFTING CLAMP VLC-A TYPE



Model	Capacity	Proof Load	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	kN	mm	T	U	V	L	kg	
VLCA008	0.8	15.68	0-16	123	265	40	44	2.8	160100800
VLCA010	1	19.6	0-22	124	295	50	54	3.6	160101000
VLCA020	2	39.2	0-30	154	385	54	56	5.5	160102000
VLCA030	3	58.8	0-40	180	400	60	72	10	160103000
VLCA050	5	98	0-50	222	483	68	76	17	160105000
VLCA080	8	156.8	0-60	265	535	65	90	26	160108000
VLCA100	10	196	0-90	290	600	80	95	32	160110000
VLCA120	12	235.2	25-90	408	700	80	113	48	160112000
VLCA160	16	313.6	60-125	465	780	100	121	80	160116000
VLCA200	20	392	0-90	563	933	100	140	149	160120000
VLCA300	30	588	10-90	568	918	100	142	155	160130000

### Features:

- For vertical lifting, transporting and turning of all steel plates and structures.
- Min. WLL is 10% of max. WLL.
- Always equipped with a safety mechanism, ensuring the clamp does not slip when lifting force is applied and when load is being lowered.
- Lightweight design for easy handling.
- Tough quality heavy duty welded shell body.
- Maintenance-friendly, easy to exchange parts which are available upon request.
- These clamps are only suitable for lifting single plate with a surface hardness below 30 Rockwell C (HRC).





# LIFTING CLAMP

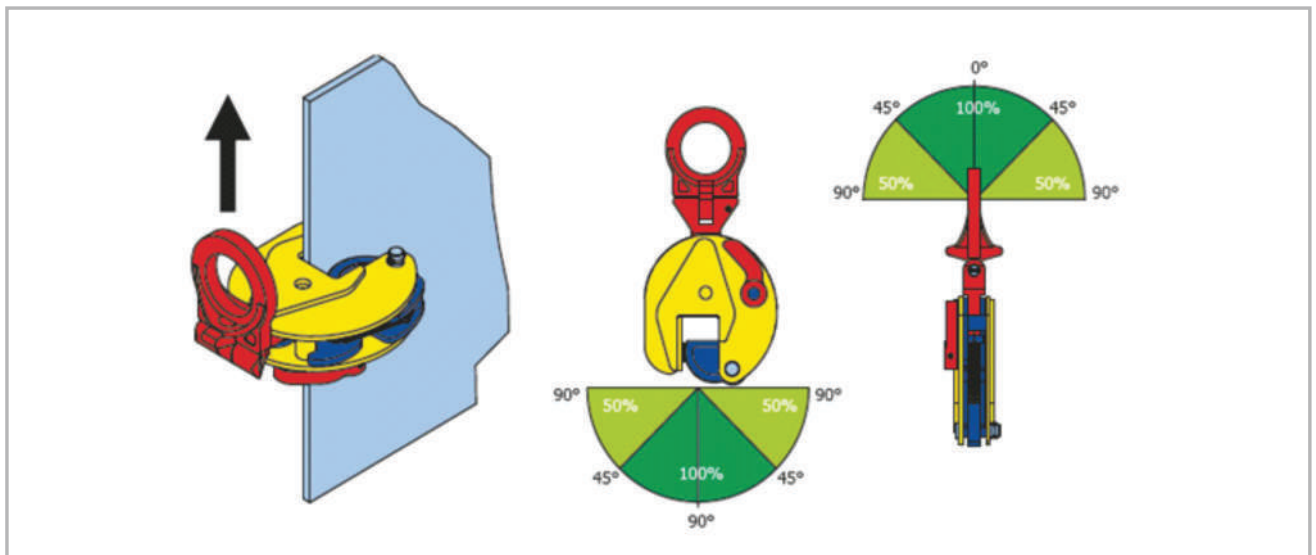
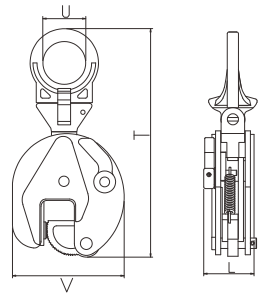
## UNIVERSAL VERTICAL LIFTING CLAMP ULC-A TYPE



Model	Capacity	Proof Load	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	kN	mm	T	U	V	L	kg	
ULCA008	0.8	15.68	0-15	205	30	105	48	2	160200800
ULCA010	1	19.6	0-20	300	50	145	66	5	160201000
ULCA020	2	39.2	0-25	385	68	175	75	8	160202000
ULCA032	3.2	58.8	0-30	430	75	215	102	15	160203200
ULCA050	5	98	0-50	500	68	232	112	23	160205000
ULCA080	8	156.8	0-45	600	88	290	125	37	160208000
ULCA120	12	235.2	50-90	700	90	420	128	50	160212000
ULCA160	16	313.6	60-100	710	100	445	128	65	160216000
ULCA200	20	392	0-80	948	100	563	140	160	160220000
ULCA300	30	588	10-90	944	100	568	142	167	160230000

### Features:

- For vertical lifting, transporting and turning of all steel plates and structures from all positions.
- Min. WLL is 10% of max. WLL.
- With articulated lifting shackle for universal lifting flexibility at various angles.
- The articulated lifting shackle guarantees a pressure grip in every position, even when side loading up to 90 degrees. When lifting in an angle higher than 45 degrees, please check the WLL reduction below.
- Longer plates can be lifted without the use of a spreader beam when using two clamps on a two legged chain sling.
- Always equipped with a safety mechanism, ensuring the clamp does not slip when vertical lifting force is applied and when load is being lowered.
- Clamp is locked in closed as well as open position.
- Lightweight, maintenance-friendly, heavy duty body.
- These clamps are only suitable for lifting single plates with a surface hardness below 30 Rockwell C (HRC).



# LIFTING CLAMP

## HORIZONTAL LIFTING CLAMP HLC-B TYPE



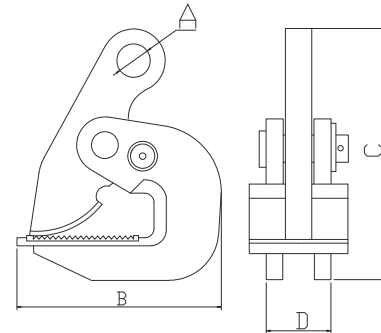
Model	Capacity Per Pair	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	mm	A	B	C	D	kg/pc	
HLCB008A	0.8	0-25	22	125	165	40	2.5	160300800
HLCB010A	1	0-30	25	148	205	40	3.5	160301000
HLCB016A	1.6	0-30	30	148	205	45	4	160301600
HLCB020A	2	0-40	30	172	245	47	5	160302000
HLCB032A	3.2	0-45	30	180	245	50	6	160303200
HLCB040A	4	0-50	30	170	260	52	6.5	160304000
HLCB050A	5	0-55	30	180	260	56	7.5	160305000
HLCB060A	6	0-65	37	210	308	62	10.5	160306001
HLCB060B	6	0-130	37	316	310	62	22	160306002
HLCB080A	8	0-100	55	282	400	65	22	160308000
HLCB100A	10	0-125	55	325	500	75	33	160310000

### Features:

- HLC-B type clamp is a horizontal lifting clamp intended to be used in pairs, sets of pairs, or in a tripod arrangement for transporting steel plates horizontally.
- Lightweight design for easy handling.
- Clamping force increases in proportion to load weight.
- These clamps are only suitable for lifting single plate with a surface hardness below 30 Rockwell C (HRC).

### Note:

- The capacities showed in the table are based on a set of two clamps.
- The top angle between the chain/rope legs must not exceed 30° from vertical.



## HORIZONTAL LIFTING CLAMP HLC-C TYPE

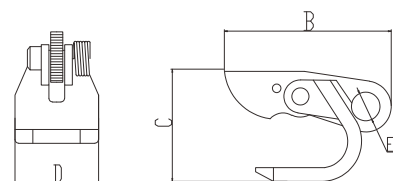
Model	Capacity Per Pair	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	mm	B	C	D	E	kg/pc	
HLCC150	1.5	0-50	210	130	100	30	4.3	160401500
HLCC300	3	0-50	236	203	110	36	6	160403000
HLCC500	5	0-60	273	251	130	40	12	160405000
HLCC900	9	0-100	380	290	165	40	28.4	160409000

### Features:

- HLC-C type clamp is a horizontal lifting clamp intended to be used in pairs, sets of pairs, or in a tripod arrangement for transporting steel plates horizontally.
- They can be used to lift all types of materials in plate form providing that the plate can withstand the forces imposed on it.
- Lightweight design for easy handling.
- Clamping force increases in proportion to load weight.

### Note:

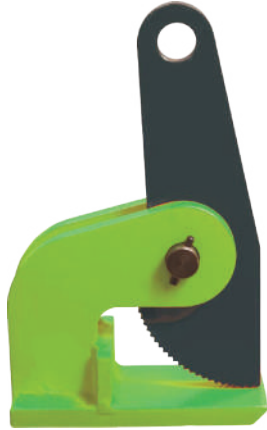
- The capacities showed in the table are based on a set of two clamps.
- The top angle between the chain/rope legs must not exceed 30° from vertical.





# LIFTING CLAMP

## HORIZONTAL LIFTING CLAMP HLC-FS AND HLC-F TYPE



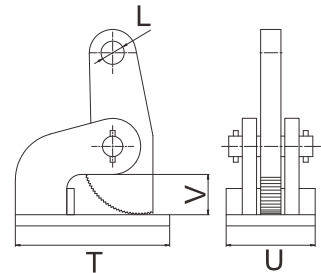
Model	Capacity Per Pair	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	mm	T	U	V	L	kg/pc	
HLCFS005	0.5	0-35	165	60	43	25	3.1	160500500
HLCFS010	1	0-60	180	80	68	25	6	160501000
HLCFS015	1.5	0-60	180	80	68	25	6.5	160501500
HLCFS020	2	0-60	180	80	68	25	7.5	160502000
HLCFS030	3	0-60	220	90	80	30	10	160503000
HLCFS040	4	0-60	220	90	70	30	11.5	160504000
HLCFS050	5	0-60	220	110	74	30	15.5	160505000
HLCFS100	10	0-60	220	130	78	40	23	160510000
HLCF010	1	0-100	180	80	120	25	7	160601000
HLCF015	1.5	0-100	180	80	120	25	7.5	160601500
HLCF020	2	0-100	180	80	120	30	9.5	160602000
HLCF030	3	0-100	220	90	120	30	12	160603000
HLCF040	4	0-100	220	90	120	30	14.5	160604000
HLCF050	5	0-100	220	110	123	45	20	160605000
HLCF100	10	0-100	220	125	120	45	28	160610000

### Features:

- HLC-F and HLC-FS type clamp are horizontal lifting clamps intended to be used in pairs, sets of pairs, or in a tripod arrangement for transporting steel plates horizontally.
- The HLC-F clamps are supplied with enlarged jaw opening.
- Lightweight design for easy handling.
- Clamping force increases in proportion to load weight.
- These clamps are only suitable for lifting single plate with a surface hardness below 30 Rockwell C (HRC).

### Note:

- The capacities showed in the table are based on a set of two clamps.
- The top angle between the chain/rope legs must not exceed 30° from vertical.



## HORIZONTAL LIFTING CLAMP HLC-M TYPE



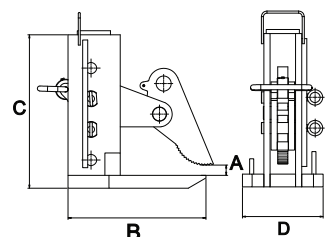
Model	Capacity Per Pair	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	mm	A	B	C	D	kg/pc	
HLCM030	3	0-180	300	102	270	158	19	160703000
HLCM045	4.5	0-240	420	120	280	158	26	160704500
HLCM060	6	0-240	450	123	300	175	40	160706000
HLCM080	8	0-240	515	128	310	200	51	160708000
HLCM150	15	0-240	565	138	324	235	72	160715000

### Features:

- For horizontal lifting, handling and transporting of banded/secured stacks, packages and single thick steel plate.
- HLC-M lifting clamps must always be used in pairs (or multiple pairs).
- Adjustable jaw offers wide variety of openings.
- Easy adjustable jaw opening.
- Quick and easy placing and removing of the clamp.
- Lightweight design for easy handling.
- Tough quality heavy duty welded body.

### Note:

- The capacities showed in the table are based on a set of two clamps.
- Do not exceed 60° angle when lifting.



# LIFTING CLAMP

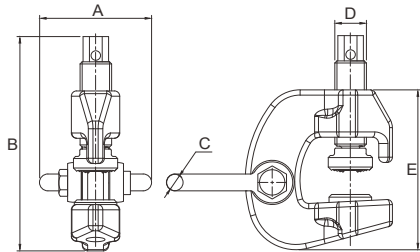
## UNIVERSAL SCREW CAM CLAMP SCC TYPE



Model	Capacity	Jaw Opening	Dimensions(mm)					N.W.	Product Code
	t	mm	A	B	C	D	E	kg	
SCC050	0.5	0-28	52	158	11	18	105	0.7	160800500
SCC075	0.75	0-22	62	185	13	30	135	2.7	160800750
SCC150	1.5	0-32	77	215	16	30	155	4	160801500
SCC300	3	0-50	88	270	19	36	191	6	160803000
SCC600	6	0-75	153	290	32	45	255	18	160806000

### Features:

- For vertical and horizontal lifting and transportation of a large variety of steel structures.
- Can also be attached upside down and be used as a (temporary) lifting point.
- No min. WLL.
- Special universal design ensures multi-purpose applications of lifting steel structures.
- Fitted with a moveable cam on the thread spindle which provides a powerful clamping force on the workpiece.
- Equipped with a safety screw spindle mechanism, ensuring the clamp does not slip when lifting force is applied.
- Lightweight design for easy handling.
- Tough quality drop forged body.
- Maintenance-friendly, easy to replace parts which are available upon request.
- The hardness of the cam and pivot is suitable to lift material with a maximum hardness of 30 HRC.



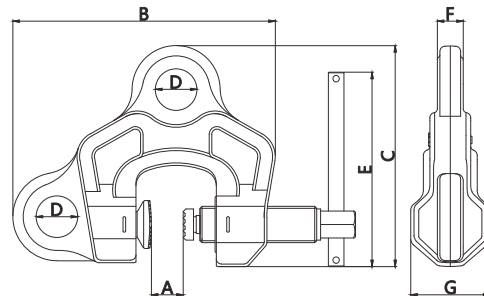
## UNIVERSAL SCREW CAM CLAMP DOUBLE EYE SCD TYPE



Model	Capacity	Jaw Opening mm	Dimensions(mm)						N.W.	Product Code
	t	A	B	C	D	E	F	G	kg	
SCD010	1	0-40	203	170	32	150	20	61	4.3	160901000
SCD020	2	0-40	226	190	36	150	27	76	8.2	160902000
SCD032	3.2	5-40	250	205	45	150	33	86	10	160903200

### Features:

- Range from 1t to 3.2t.
- Easy to move objects which have unknown shapes.
- For horizontal and vertical lifting applications.
- Spring type pressure locking device.
- Twin lifting eye allows for movement in any direction.
- Double safety feature with screw type vice and automatic clamping mechanism.
- Forged alloy steel body.
- Clamp screw and swivel jaw made of case hardened, alloy steel.



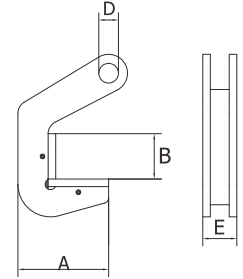


# LIFTING CLAMP

## PIPE LIFTING CLAMP PLC TYPE

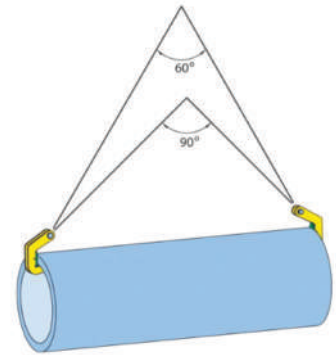


Model	Capacity Per Pair	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	mm	A	B	D	E	kg	
PLC015	1.5	40	127	40	27	35	1.5	161001500
PLC030	3	40	142	40	27	35	3	161003000
PLC040	4	50	144	50	30	40	4	161004000
PLC060	6	50	152	50	30	40	5	161006000
PLC080	8	70	155	70	30	42	6.7	161008000
PLC120	12	70	175	70	33	46	10	161012000
PLC160	16	70	175	70	40	56	13	161016000
PLC180	18	70	175	70	52	68	15	161018000



### Features:

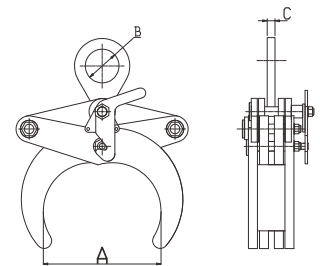
- For horizontal lifting and transporting of steel and concrete pipes without damaging the product.
- PLC type lifting clamps must always be used in pairs.
- Jaw is covered with a special high quality pressure resistant plastic.
- Maintenance-friendly clamps, plastic pressure resistant cover is easy to be changed.
- Compact design and high lifting capacity.
- Lightweight design for easy handling.
- Tough quality heavy duty body.
- If the thickness of material to be lifted is less than "B" - the top angle must be between 10-60 degrees maximum for a safe lift.
- If the thickness of material to be lifted is equal to "B" - the top angle must be between 10-90 degrees maximum for a safe lift.



## ROUND STEEL LIFTING CLAMP RLC TYPE

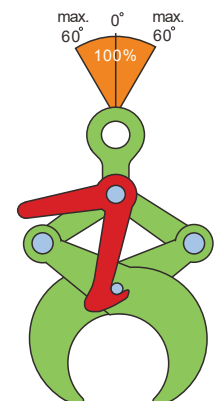
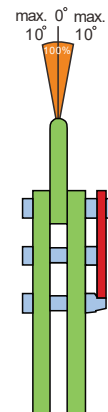


Model	Capacity	Proof Load	Jaw Opening (A)	B	C	N.W.	Product Code
	t	kN	mm			kg	
RLC005	0.5	9.8	50-100	50	12	3.2	161100500
RLC010	1	19.6	50-100	50	14	4.1	161101000
RLC020	2	39.2	80-130	60	18	16	161102000
RLC030	3	58.8	120-220	68	18	32	161103000
RLC050	5	98	200-320	80	25	104	161105000



### Features:

- For horizontal lifting and transporting of tubes, pipes, tube bundles, rolls and other solid round materials.
- The clamp is locked in the open position. To perform lifting, the operator must activate the handle and hold it up while the force on the lifting eye is going upwards. When laying down the load, the clamp automatically locks itself open.
- Lightweight design and easy to use.
- Tough quality body.

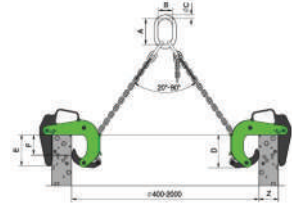


# LIFTING CLAMP

## CONCRETE PIPE LIFTING CLAMP CPLC TYPE



Model	Capacity	Jaw Opening (Z)	Mouth Depth (E)	Pressure Line (F)	Dimensions(mm)				N.W.	Product Code
	t/set	mm	mm	mm	A	B	C	D	kg	
CPLC150	1.5	40-120	165	100	135	75	18	180	48	161201500
CPLC318	3	50-180	245	175	180	100	26	310	60	161203001
CPLC320	3	90-220	245	175	180	100	26	310	78	161203002



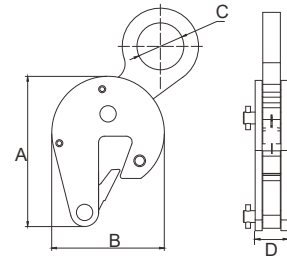
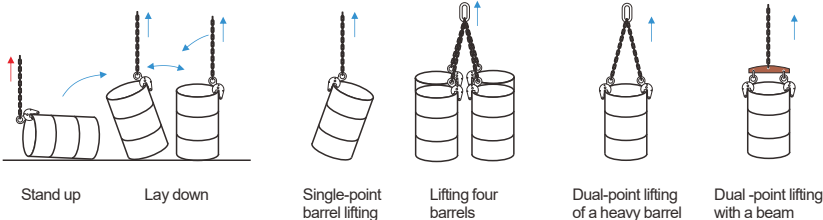
### Features:

- The CPLC type concrete pipe lifting clamps are sold in sets of three and they can come complete with chain slings (the capacity shown are based on a set of three clamps).
- They are designed for the vertical transportation of concrete pipe sections with a diameter of up to 2m.
- The jaw opening is designed for pipe thickness between 40 – 220mm.
- Attachment and removal of the clamps from the pipes is extremely easy due to the simple and straightforward design.
- Solid construction and lightweight design.
- Factor of safety 4:1.



## DRUM LIFTING CLAMP DLC-C TYPE

Model	Capacity	Proof Load	Jaw Opening	Dimensions(mm)				N.W.	Product Code
	t	kN	mm	A	B	C	D	kg	
DLCC005	0.5	9.8	0-17	128	96	40	28	1.6	161300500



### Features:

- Designed for safe lifting, handling and transporting of steel (oil) drums.
- Single clamp application can be used for empty or filled sealed drums. Filled open drums should be lifted by use of two clamps with a two-leg chain sling.
- Includes automatic locking mechanism.
- Lightweight design for easy handling.
- Heavy duty welded shell body.
- Maintenance-friendly, easy to exchange parts which are available upon request.



# SNATCH BLOCK

## HEAVY DUTY SNATCH BLOCK HB/SB TYPE

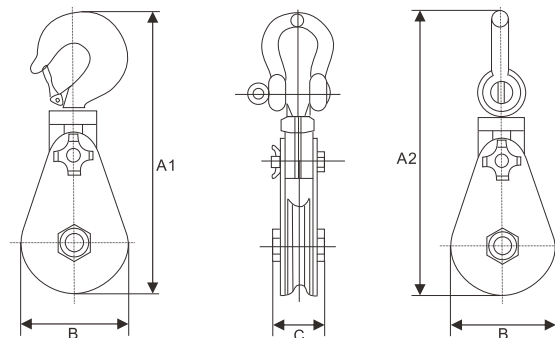
Model		Sheave Dia.	Capacity	A1(Hook)	A2(Shackle)	B	C	Wire Rope Dia.	N.W. (Hook)	N.W. (Shackle)	Product Code	
Hook	Shackle	mm	t	mm	mm	mm	mm	mm	kg	kg	Hook	Shackle
HB07502	SB07502	75	2	292	286	82	70	7-9	3.9	3.8	1701075021	1701075022
HB11504	SB11504	115	4	358	345	120	70	10-12	6.2	6.2	1701115041	1701115042
HB15004	SB15004	150	4	412	399	160	70	16-18	8.4	8.3	1701150041	1701150042
HB15008	SB15008	150	8	498	475	160	93	20-22	14.1	14.1	1701150081	1701150082
HB20008	SB20008	200	8	549	528	210	93	20-22	19	18.7	1701200081	1701200082
HB20015	SB20015	200	15	672	663	210	102	22-24	34	33	1701200151	1701200152
HB25010	SB25010	250	10	695	679	260	115	24-26	36	34.7	1701250101	1701250102
HB25012	SB25012	250	12	701	679	260	115	24-26	36	34.7	1701250121	1701250122
HB30012	SB30012	300	12	797	767	310	133	24-26	56	54	1701300121	1701300122
HB30015	SB30015	300	15	800	788	310	133	24-26	58	55	1701300151	1701300152
HB35522	SB35522	355	22	960	952	365	140	28-32	112	109	1701355221	1701355222
HB40022	SB40022	400	22	1027	1019	415	140	28-32	122	118	1701400221	1701400222
HB40030	SB40030	400	30	1085	1126	415	155	32-35	170	164	1701400301	1701400302
HB50030	SB50030	500	30	1177	1256	514	162	32-35	213	208	1701500301	1701500302
HB60050	SB60050	600	50	1445	1525	625	240	46-50	408	418	1701600501	1701600502
HB76085	SB76085	760	85	1960	1910	800	288	56-64	810	840	1701760851	1701760852



HB TYPE



SB TYPE



Snatch blocks are typically used for short term and intermittent lifting applications where loads are required to be lifted or moved horizontally. They are easy to transport from location to location and are relatively quick and easy to rig. More permanent arrangements would typically use a crane or a construction block.

**Features:**

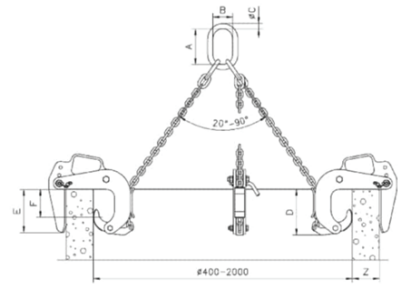
- Snatch Blocks are supplied with bronze bushings (for 2t & 4t capacity) and bearing (for 8t and bigger capacity), and grease fitting nipples for ease of use and extended shelf life.
- Coating assures long-term durability.
- Lightweight.
- Side opening design permits quick, easy insertion of rope or cable without threading.
- Available with shackle or hook head fittings.
- Available in toggle (no head fitting) configuration.
- Safety factor is 4 to 1.



# SNATCH BLOCK

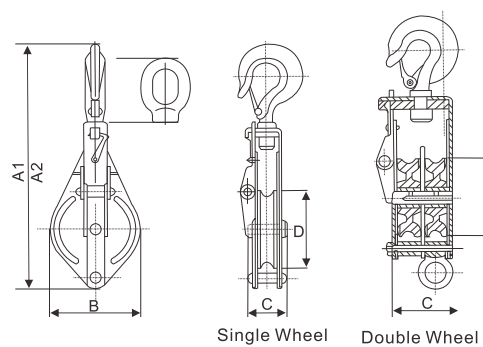
## Features:

- Sheaves made of cast iron.
- Powder metallurgy bushings provide improved oil retention.
- Side opening design permits quick, easy insertion of rope or cable without threading.
- Available with hook or eye head fittings.
- Available with single sheave or double sheave
- Safety factor is 4 to 1.



Single Wheel

Double Wheel



Single Wheel

Double Wheel

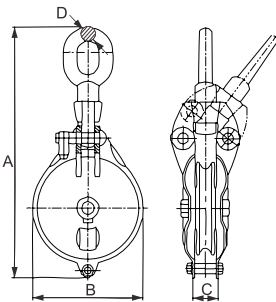
## SNATCH BLOCK HS/ES TYPE, SINGLE WHEEL

Model		Sheave Dia.	Capacity	Dimensions(mm)				Wire Rope Dia.	N.W.	Product Code	
Hook	Eye	mm	t	A1(Hook)	A2(Eye)	B	C	mm	kg	Hook	Eye
HS075005	ES075005	75	0.5	286	227	87	50	8	1.6	1702005001	1702005002
HS100010	ES100010	100	1	311.5	284.5	112	55.5	10	3.5	1702010001	1702010002
HS125015	ES125015	125	1.5	370	344	140	63.5	13	4.6	1702015001	1702015002
HS150020	ES150020	150	2	442.5	417	168	101	16	7.7	1702020001	1702020002
HS180030	ES180030	180	3	498	478	204	107	19	11	1702030001	1702030002
HS200040	ES200040	200	4	590.5	556	226	128	22	19.3	1702040001	1702040002
HS250050	ES250050	250	5	590.5	651	276	147	25	33.8	1702050001	1702050002
HS300060	ES300060	300	6	795	775	330	162	26	48	1702060001	1702060002
HS350100	ES350100	350	10	934	898	395	178	28	66	1702100001	1702100002

## SNATCH BLOCK HD/ED TYPE, DOUBLE WHEEL

Model		Sheave Dia.	Capacity	Dimensions(mm)				Wire Rope Dia.	N.W.	Product Code	
Hook	Eye	mm	t	A1(Hook)	A2(Eye)	B	C	mm	kg	Hook	Eye
HD075005	ED075005	75	0.5	286	227	87	77	8	2.8	1703005001	1703005002
HD100010	ED100010	100	1	311.5	284.5	112	88	10	4.3	1703010001	1703010002
HD125015	ED125015	125	1.5	370	344	140	100	13	7.8	1703015001	1703015002
HD150020	ED150020	150	2	442.5	417	168	146	16	12.2	1703020001	1703020002
HD180030	ED180030	180	3	498	478	204	157	19	18.5	1703030001	1703030002
HD200040	ED200040	200	4	590.5	556	226	188	22	31	1703040001	1703040002
HD250050	ED250050	250	5	706.5	651	276	220	25	49.8	1703050001	1703050002
HD300060	ED300060	300	6	795	775	330	238	26	72	1703060001	1703060002
HD350100	ED350100	350	10	934	898	395	260	28	102	1703100001	1703100002

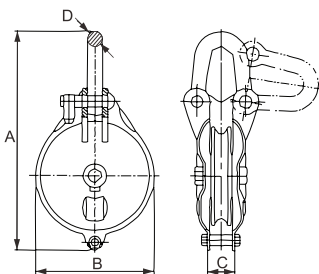
# SNATCH BLOCK



## MARINE STEEL BLOCK EM TYPE

Model	Sheave Dia.	Capacity	Dimensions(mm)				Wire Rope Dia.	N.W.	Product Code
	mm		t	A	B	C			
Single Wheel									
EMS075005	75	0.5	230	85	26	12	8	1.5	170410050
EMS100010	100	1	285	121	34	16	8	2.4	170410100
EMS125015	125	1.5	346	145	38	18	9	4.2	170410150
EMS150020	150	2	419	180	41	22	12	6.4	170410200
EMS200040	200	4	517	225	46	28	16	12.5	170410400
EMS250050	250	5	655	275	60	28	22	16	170410500
Double Wheel									
EMD075005	75	0.5	230	85	50	12	8	2.1	170420050
EMD100010	100	1	285	121	61	16	8	3	170420100
EMD125015	125	1.5	335	145	73	18	9	5.9	170420150
EMD150020	150	2	365	180	83	22	12	9	170420200
EMD200040	200	4	517	225	93	28	16	17.5	170420400
EMD250050	250	5	600	275	115	28	22	28.6	170420500

## MARINE STEEL BLOCK HM TYPE



Model	Sheave Dia.	Capacity	Dimensions(mm)				Wire Rope Dia.	N.W.	Product Code
	mm		t	A	B	C			
Single Wheel									
HMS075005	75	0.5	178	85	26	12	8	1.1	170510050
HMS100010	100	1	235	121	34	16	8	1.8	170510100
HMS125015	125	1.5	305	145	38	18	9	3.5	170510150
HMS150020	150	2	350	180	41	22	12	5.1	170510200
HMS200040	200	4	425	225	46	28	16	11.5	170510400
HMS250050	250	5	495	275	60	28	22	17	170510500
Double Wheel									
HMD075005	75	0.5	178	85	50	12	8	1.8	170520050
HMD100010	100	1	235	121	61	16	8	2.8	170520100
HMD125015	125	1.5	305	145	73	18	9	5.5	170520150
HMD150020	150	2	350	180	83	22	12	8.5	170520200
HMD200040	200	4	425	225	93	28	16	16.5	170520400
HMD250050	250	5	495	275	115	28	22	25.5	170520500

Manual Hoisting Equipments

Textile Sling and Height Safety

Transport and Load Restraints

Lifting Chain/Chain Sling/Components

Wire Rope/Wire Rope Sling/Components

Rigging Hardware and Commercial Chain

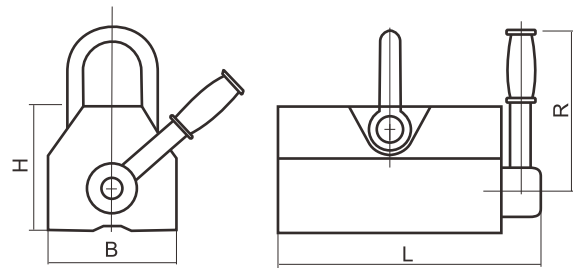
Material Handling Equipments

# MAGNETIC LIFTER

The permanent magnetic lifter can be used in a variety of industries for the transportation and lifting of steel, engine parts, semi manufactured goods and moulds. No electricity is needed to operate the magnetic lifter. Due to its magnetic force there is no need to use slings, clamps, or other holding devices eliminating damage to the surface of lifted goods.

## Features:

- This permanent magnetic lifter is especially well suited to handling flat metal sheets, but is also capable of working with cylinders of magnetic material for added convenience and practicality.
- Made with super strong NdFeB magnets.
- It has a higher factor of safety than conventional permanent magnetic lifters.
- It is an easy to operate by turning the magnetic forces on or off via the lever, which incorporates a locking key for extra safety.
- Light weight.
- Painted housing and chrome plated shackle.
- Temperature range: -40°C - +80°C
- Standard: EN 13155
- Safety factor: 3.5:1



Note: The capacity of the lifting magnet is determined by the thickness and surface quality of the component. Before operation it is necessary to find out the percentage of the steel thickness of the component and capacity curve.

## Permanent Magnetic Lifter PML Type

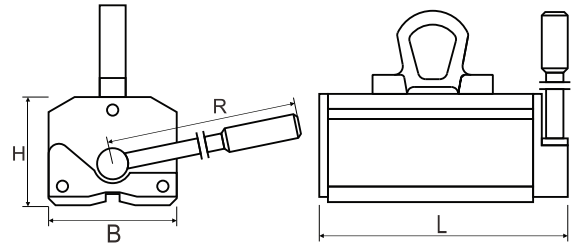
Model	Rated lifting strength kg	Cylindrical Lifting strength kg	Max pull-off strength kg	Dimensions				Operation temperature kg	N.W. kg	Product Code
				L(Length) mm	B(Width) mm	H mm	R mm			
PML01	100	30	350	92	64	70	142	<80	3	180135001
PML02	200	60	700	158	64	70	142	<80	5	180135002
PML03	300	100	1050	165	88	96	176	<80	10	180135003
PML05	500	150	1750	216	118	120	219	<80	20	180135005
PML06	600	200	2100	236	118	120	219	<80	24	180135006
PML10	1000	300	3500	264	168	168	266	<80	50	180135010
PML15	1500	500	5250	353	172	168	380	<80	70	180135015
PML20	2000	600	7000	378	230	217	462	<80	125	180135020
PML30	3000	—	10500	453	290	265	567	<80	220	180135030
PML50	5000	—	17500	647	290	265	707	<80	355	180135050
PML60	6000	—	19200	713	290	265	707	<80	398	180135060

# MAGNETIC LIFTER



## Features:

- Made with super strong NdFeB magnets.
- Painted housing and chrome plated shackle.
- Temperature range: -40°C - +80°C
- Standard: EN 13155
- Safety factor: 3:1



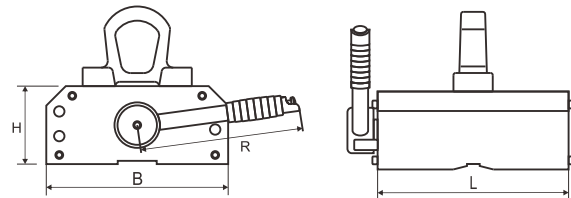
## Permanent Magnetic Lifter PML-A Type

Model	Rated lifting strength kg	Cylindrical Lifting strength kg	Max pull-off strength kg	Dimensions				Operation temperature kg	N.W. kg	Product Code
				L(Length) mm	B(Width) mm	H mm	R mm			
PML100A	100	30	300	134	60	65	130	<80	3.5	180230001
PML300A	300	100	900	205	87	89	172	<80	10	180230003
PML600A	600	200	1800	266	112	109	234	<80	21	180230006
PML1000A	1000	300	3000	332	148	125	300	<80	40	180230010
PML1500A	1500	500	4500	385	178	145	330	<80	65	180230015
PML2000A	2000	600	6000	506	178	145	412	<80	89	180230020



## Features:

- With double magnetic circuit, can be used to lift thinner sheets.
- Made with super strong NdFeB magnets.
- Painted housing and chrome plated shackle.
- Temperature range: -40°C - +80°C
- Standard: EN 13155
- Safety factor: 3:1



## Permanent Magnetic Lifter PML-D Type

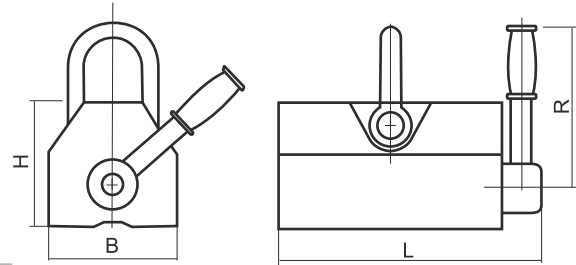
Model	Rated lifting strength kg	Cylindrical Lifting strength kg	Max pull-off strength kg	Dimensions				Operation temperature kg	N.W. kg	Product Code
				L(Length) mm	B(Width) mm	H mm	R mm			
PML300D	300	100	900	133	163	60	180	<80	9.5	180330003
PML600D	600	200	1800	162	234	74	220	<80	21	180330006
PML1000D	1000	300	3000	190	302	87	265	<80	37.5	180330010
PML2000D	2000	600	6000	231	441	107	380	<80	77	180330020
PML3000D	3000	—	9000	316	417	146	450	<80	165	180330030
PML6000D	6000	—	18000	422	610	206	820	<80	450	180330060



# MAGNETIC LIFTER

## Features:

- This permanent magnetic lifter is especially well suited to handling flat metal sheets, but is also capable of working with cylinders of magnetic material for added convenience and practicality.
- Made with super strong NdFeB magnets.
- It is an easy to operate by turning the magnetic forces on or off via the lever, which incorporates a locking key for extra safety.
- Light weight.
- Painted housing and chrome plated shackle.
- Temperature range: -40°C - +80°C
- Standard: EN 13155
- Safety factor: 3:1



## Permanent Magnetic Lifter PML-L Type

Model	Rated lifting strength kg	Cylindrical Lifting strength kg	Max pull-off strength kg	Dimensions				Operation temperature kg	N.W. kg	Product Code
				L(Length) mm	B(Width) mm	H mm	R mm			
PML01L	100	30	300	92	64	70	142	<80	3	180430001
PML02L	200	60	600	114	72	86	142	<80	5	180430002
PML03L	300	100	900	165	88	96	176	<80	10	180430003
PML05L	500	150	1500	210	92	96	208	<80	12.5	180430005
PML06L	600	200	1800	216	118	120	219	<80	20	180430006
PML10L	1000	300	3000	264	148	140	266	<80	37	180430010
PML15L	1500	500	4500	308	172	168	285	<80	62	180430015
PML20L	2000	600	6000	397	172	168	380	<80	80	180430020
PML30L	3000	—	9000	443	226	217	512	<80	160	180430030
PML40L	4000	—	12000	516	290	265	627	<80	290	180430040
PML50L	5000	—	15000	582	290	265	627	<80	320	180430050
PML60L	6000	—	18000	713	290	265	707	<80	398	180430060



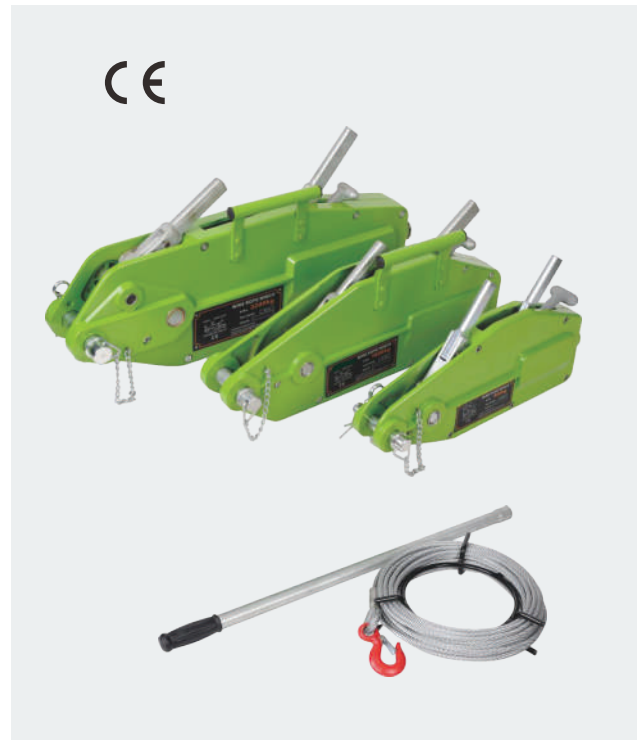
# WIRE ROPE PULLING HOIST

Wire rope pulling hoist is a compact and lightweight hoist that can be used for lifting, pulling and tightening over a long distance. It works with a steel wire rope running through the jaws of the hoist. The double sets of jaws open in turns so that the wire rope will always stay tight during the operation.

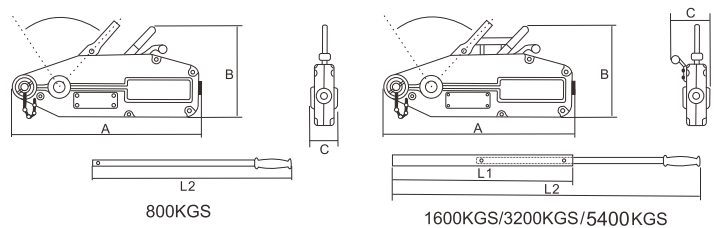
20 m coiled steel wire rope with latch hook is included.

## Features:

- Each hoist is dynamic proof load tested 1.5 x WLL before leaving the factory, except 5400KG(1.25 x WLL).
- Compact, lightweight construction.
- Durable construction with powder coated finish and plated frame components.
- Equipped with replaceable shear safety pin that prevents overloading (3 spare pins included).
- 20 m coiled steel wire rope with latch hook is included and other lengths can be offered.
- Hooks fitted with steel safety latches.
- Test certificate and user manual enclosed with each hoist.
- Spare parts available.
- Rotating hook attached to the body is available.
- **Standard:** EN 13157
- **Safety factor:** 4:1



With swivel hook is also available



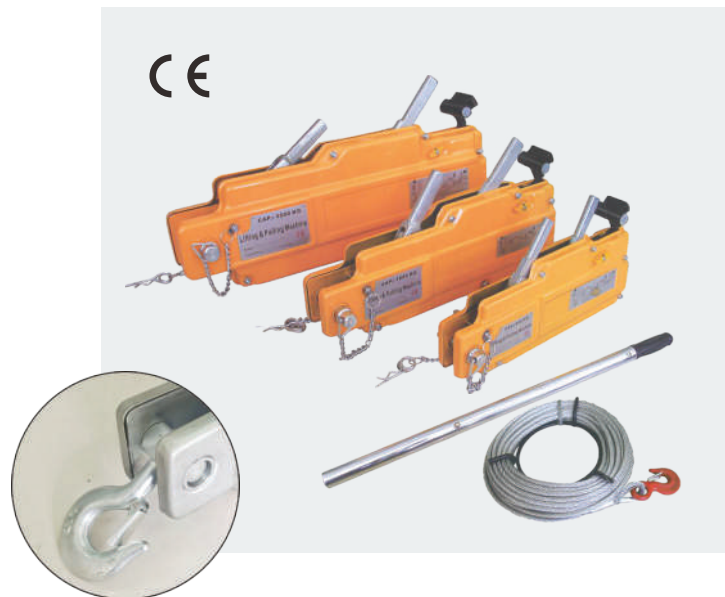
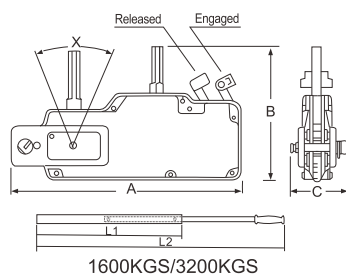
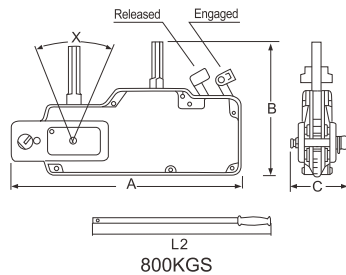
## Wire Rope Pulling Hoist WRH-H Type (Aluminum Body)

Model	Rated Capacity	Rope Advance per Full Stroke	Lever Pull at WLL	Rope Diameter	Standard Length of Wire Rope	Net Weight without Cable	Cable Weight	Max. Overall Size (mm)			L1 (cm)	L2 (cm)	Product Code
	kg	mm	N	mm	m	kg	kg	A	B	C			
H008	800	≥52	343	8.3	20	6.2	6.3	430	240	60	—	80	190100800
H016	1600	≥55	441	11	20	11.8	12	556	270	68	80	120	190101600
H032	3200	≥28	441	16	20	21.2	22.5	666	320	98	80	120	190103200
H054	5400	≥30	745	20	20	56.5	35	940	410	160	88	135	190105400

# WIRE ROPE PULLING HOIST

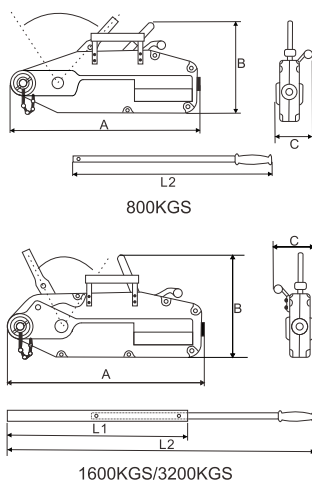
## Wire Rope Pulling Hoist WRH-S Type (Steel Body)

Model	Rated Lifting Capacity	Rope Advance per Full Stroke	Rated Forward Handpower	Rope Diameter	Standard Length of Wire Rope	Net Weight without Cable	Cable Weight	Max. Overall Size (mm)			L1 (cm)	L2 (cm)	Product Code
	kg	mm	N	mm	m	kg	kg	A	B	C			
S008	800	≥52	343	8.3	20	8	6.3	440	265	63	—	80	190200800
S016	1600	≥55	441	11	20	14.5	12	550	300	77	80	120	190201600
S032	3200	≥28	441	16	20	28	22.5	690	350	91	80	120	190203200



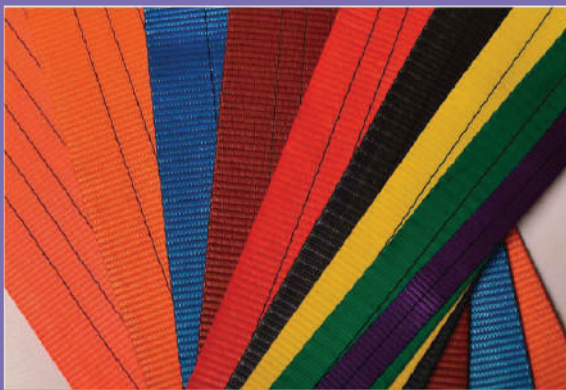
## Wire Rope Pulling Hoist WRH-HS Type (Steel Body)

Model	Rated Capacity	Rope Advance per Full Stroke	Lever Pull at WLL	Rope Diameter	Standard Length of Wire Rope	Net Weight without Cable	Cable Weight	Max. Overall Size (mm)			L1 (cm)	L2 (cm)	Product Code
	kg	mm	N	mm	m	kg	kg	A	B	C			
HS008	800	≥52	353	8.3	20	7	6.3	435	245	70	—	80	190300800
HS016	1600	≥55	412	11	20	12	12	545	286	92	80	120	190301600
HS032	3200	≥28	441	16	20	23	22.5	655	345	105	80	120	190303200





# TEXTILE SLING AND HEIGHT SAFETY





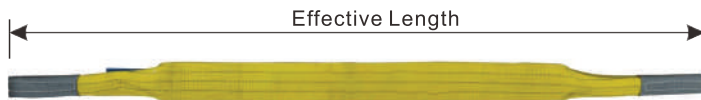
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# FLAT WOVEN WEBBING SLING EN1492-1

## Features:

- Flat woven webbing slings, also commonly known as belt slings, are used for a variety of lifting purposes.
- Made from high-tenacity polyester yarn (PES), resistant to most acids but not to strong alkalis.
- Duplex construction, PU-impregnated, thermally fixed.
- With reinforced soft eyes.
- Colour coded for easy capacity recognition.
- Capacity stripes: each stripe is equal to 1 tonne capacity.
- Low elongation, lightweight and flexible.
- It is less damaging on contacting load surfaces than metal slings.
- Each sling is marked with a unique serial number for safe sling registration.
- Year/Month calendar printed on the label where next inspection date can be marked or punched.
- Standard: EN 1492-1
- Safety factor: 7:1

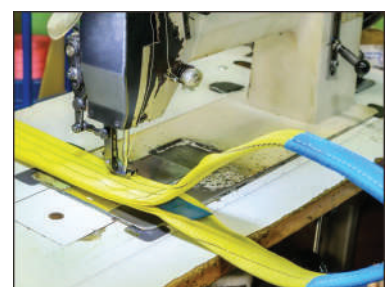
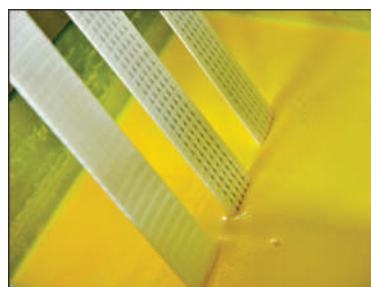


## DOUBLE PLY FLAT WOVEN WEBBING SLING



Item No.	Colour Coded According to EN1492-1	Width(mm)	Working Load Limit(t)					Product Code
			Straight Lift	Choked Lift	β			
					0°-7°	7°-45°	45°-60°	
			1	0.8	2	1.4	1	
WS01-03001	WLL 1T	30/50	1	0.8	2	1.4	1	301003001
WS01-06002	WLL 2T	60	2	1.6	4	2.8	2	301006002
WS01-09003	WLL 3T	90	3	2.4	6	4.2	3	301009003
WS01-12004	WLL 4T	120	4	3.2	8	5.6	4	301012004
WS01-15005	WLL 5T	150	5	4	10	7	5	301015005
WS01-18006	WLL 6T	180	6	4.8	12	8.4	6	301018006
WS01-24008	WLL 8T	240	8	6.4	16	11.2	8	301024008
WS01-30010	WLL 10T	300	10	8	20	14	10	301030010
WS01-30012	WLL 12T	300	12	9.6	24	16.8	12	301030012

Option:  
1. SF5:1, SF6:1 are also available.  
2. Other widths are also available.



# FLAT WOVEN WEBBING SLING EN1492-1

## ALWAYS:

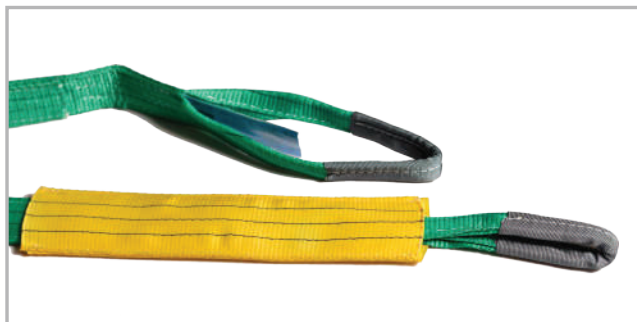
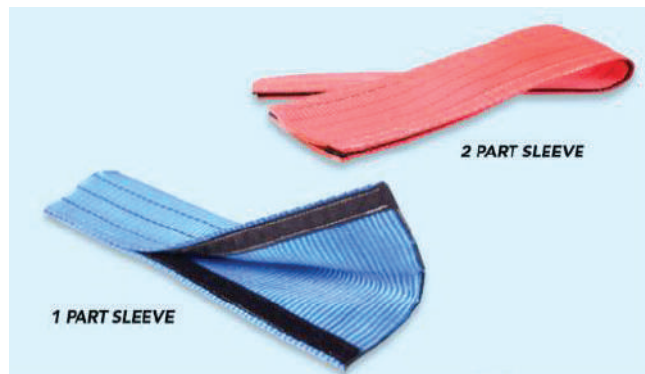
- Ensure the operator is properly trained to use webbing slings.
- Store and handle webbing slings correctly.
- Inspect webbing slings and accessories before use and before placing into storage.
- Position the bight for choke lift at 120° (natural angle).
- Position the sling correctly so that the load is uniformly spread over its width and protect the sling from sharp edges.
- Apply the correct mode factor for the slinging arrangement.

## NEVER:

- Attempt to shorten, knot or tie webbing slings.
- Expose webbing slings to direct heat or flames.
- Use webbing slings at temperatures above 80°C or below 0°C without consulting the supplier.
- Expose webbing slings to chemicals without consulting the supplier.
- Shock load webbing slings.
- Use webbing slings which are cut or which have loose or damaged stitching.
- Use a sling with a missing/damaged label or illegible markings

## PROTECTIVE SLEEVE

We can provide different types of protective sleeves to protect the sling from abrasion and cutting, and extend the life of the sling. Sleeves can be made according to customer requirement, in one or two part, with or without hook and loop fasteners (Velcro strap).



## RFID (Radio Frequency Identification) Tag

Option 1:  
Operating Frequency: UHF  
RF Protocol: ISO 18000-6

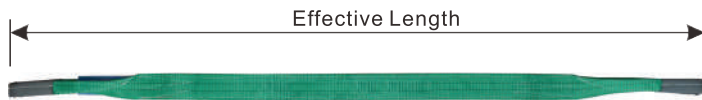
Option 2:  
Operating Frequency: HF  
RF Protocol: ISO 15693



# FLAT WEBBING SLING AS 1353.1

## Features:

- Flat synthetic webbing slings, also commonly known as flat slings, are all-purpose lifting slings enabling a strong and non-damaging lift of a load.
- Made from high-tenacity polyester yarn (PES), resistant to most acids but not to strong alkalis.
- Duplex construction, PU-impregnated, thermally fixed.
- With reinforced soft eyes.
- Colour coded as standard and have stripes for easy identification of WLL.
- Low elongation, lightweight and flexible.
- Standard: AS 1353.1
- Safety factor :8:1



## DOUBLE PLY FLAT WOVEN WEBBING SLING



Item No.	Colour	Width(mm)	Working Load Limit(t)					Product Code
			Straight Lift	Choked Lift	β			
					0°-7°	7°-45°	45°-60°	
			1	0.8	2	1.4	1	
WS02-05001	WLL 1T	50	1	0.8	2	1.4	1	302005001
WS02-06002	WLL 2T	60	2	1.6	4	2.8	2	302006002
WS02-09003	WLL 3T	90	3	2.4	6	4.2	3	302009003
WS02-12004	WLL 4T	120	4	3.2	8	5.6	4	302012004
WS02-15005	WLL 5T	150	5	4	10	7	5	302015005
WS02-18006	WLL 6T	180	6	4.8	12	8.4	6	302018006
WS02-24008	WLL 8T	240	8	6.4	16	11.2	8	302024008
WS02-30010	WLL 10T	300	10	8	20	14	10	302030010
WS02-30012	WLL 12T	300	12	9.6	24	16.8	12	302030012





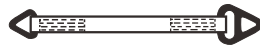
# SYNTHETIC WEB SLING ASME/ANSI B30.9

## Features:

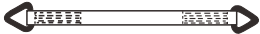
- A synthetic web sling is fabricated by sewing woven synthetic webbing of polyester type yarns into basic sling types with or without fittings.
- Wide-bearing surface for stability of load.
- Low elongation, lightweight and flexible.
- It is less damaging on contacting load surfaces than metal slings.
- Standard: ASME/ANSI B30.9
- Safety factor :5:1

## BASIC SLING TYPES:

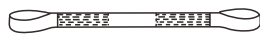
TYPE 1(Triangle/Choker)



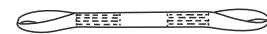
TYPE 2(Triangle/Triangle)



TYPE 3(Flat Loop Eye)



TYPE 4(Twisted Eye)



TYPE 5(Endless)






TYPE 6(Reverse Eye)



## SINGLE PLY EYE AND EYE SYNTHETIC WEB SLING CLASS 7






Item No.	Webbing Width (inch)	Working Load Limit(lbs)			Product Code
					
		Vertical	Choker	Vertical Basket	
WS03-1-9010	1	1,600	1,280	3,200	303019010
WS03-1-9020	2	3,100	2,480	6,200	303019020
WS03-1-9030	3	4,700	3,760	9,400	303019030
WS03-1-9040	4	6,200	4,960	12,400	303019040
WS03-1-9050	5	7,800	6,240	15,600	303019050
WS03-1-9060	6	9,300	7,440	18,600	303019060
WS03-1-9080	8	11,800	9,440	23,600	303019080
WS03-1-9100	10	14,700	11,760	19,400	303019100
WS03-1-9120	12	17,600	14,080	35,200	303019120

- Rated loads are based on a stuffer weave construction webbing possessing a minimum certified tensile strength of 9800lbs/inch width.
- CLASS 5(6800lbs/inch) is also available.

## DOUBLE PLY EYE AND EYE SYNTHETIC WEB SLING CLASS 7



Item No.	Webbing Width (inch)	Working Load Limit(lbs)			Product Code
					
		Vertical	Choker	Vertical Basket	
WS04-2-9010	1	3,100	2,480	6,200	303129010
WS04-2-9020	2	6,200	4,960	12,400	303129020
WS04-2-9030	3	8,800	7,040	17,600	303129030
WS04-2-9040	4	11,000	8,800	22,000	303129040
WS04-2-9050	5	13,700	10,960	27,400	303129050
WS04-2-9060	6	16,500	13,200	33,000	303129060
WS04-2-9080	8	22,700	18,160	45,400	303129080
WS04-2-9100	10	28,400	22,720	56,800	303129100
WS04-2-9120	12	34,100	27,280	68,200	303129120

- Rated loads are based on a stuffer weave construction webbing possessing a minimum certified tensile strength of 9800lbs/inch width.
- CLASS 5(6800lbs/inch) is also available.

# SYNTHETIC WEB SLING ASME/ANSI B30.9

## SINGLE PLY ENDLESS TYPE FLAT WEB SLING CLASS 7



Item No.	Webbing Width (inch)	Working Load Limit(lbs)			Product Code
		Vertical	Choker	Vertical Basket	
WS05-1-9010	1	3,200	2,560	6,400	303219010
WS05-1-9020	2	6,200	49,60	12,400	303219020
WS05-1-9030	3	9,400	7,520	17,600	303219030
WS05-1-9040	4	12,400	9,920	22,000	303219040
WS05-1-9050	5	15,600	12,480	27,400	303219050
WS05-1-9060	6	18,600	14,880	33,000	303219060

- Rated loads are based on a stuffer weave construction webbing possessing a minimum certified tensile strength of 9800lbs/inch width.  
- CLASS 5(6800lbs/inch) is also available.

## DOUBLE PLY ENDLESS TYPE FLAT WEB SLING CLASS 7



Item No.	Webbing Width (inch)	Working Load Limit(lbs)			Product Code
		Vertical	Choker	Vertical Basket	
WS06-2-9010	1	6,200	4,960	12,400	303329010
WS06-2-9020	2	12,400	9,920	24,800	303329020
WS06-2-9030	3	17,600	14,080	35,200	303329030
WS06-2-9040	4	22,000	17,600	44,000	303329040
WS06-2-9050	5	27,400	21,920	54,800	303329050
WS06-2-9060	6	33,400	26,400	66,000	303329060

- Rated loads are based on a stuffer weave construction webbing possessing a minimum certified tensile strength of 9800lbs/inch width.  
- CLASS 5(6800lbs/inch) is also available.

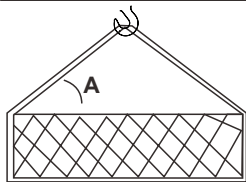
### REMOVAL CRITERIA

A web sling shall be removed from service if any of the following forms are visible:

- If web sling identification tag is missing or not readable.
- Holes, tears, cuts, snags or embedded particles in the webbing.
- Broken or worn stitches in load bearing splice.
- Excessive abrasive wear or crushed webbing.
- Knots in any part of the webbing.
- Distortion, excessive pitting, corrosion or damage of any fitting or component.
- Melting, charring or weld spatter on any part of the webbing.
- Acid or alkali burns.
- Any conditions which cause doubts as to the strength of the web sling.



**⚠ WARNING**  
Slings shall not be loaded in excess of rated capacity. Consideration shall be given to the sling angle, which affects sling tension.



Rated capacity are affected by angle of lift(sling to load) measured from the horizontal when used with basket hitches.  
To determine the actual sling capacity at a given angle of lift, multiply the original sling rating by the appropriate loss factor determined from the table on the right.

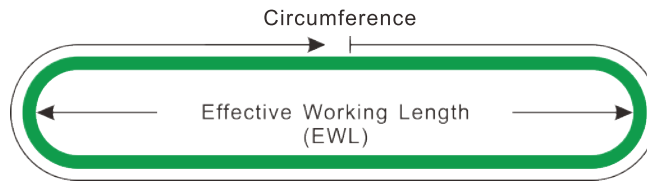
Angle from Horizontal	Loss Factor
90°	1.000
85°	0.996
80°	0.985
75°	0.966
70°	0.940
65°	0.906
60°	0.866
55°	0.819
50°	0.766
45°	0.707
40°	0.643
35°	0.574
30°	0.500

# ENDLESS WEB SLING EN1492-1

## Features:



- Flat endless polyester webbing sling is cost effective and multipurpose sling.
- Made from high-tenacity polyester yarn (PES), resistant to most acids but not to strong alkalis.
- Colour coded for easy capacity recognition.
- Capacity stripes: each stripe is equal to 1 tonne capacity.
- Low elongation, lightweight and flexible.
- It is less damaging on contacting load surfaces than metal slings.
- Standard: EN 1492-1
- Safety factor :7:1



## ENDLESS FLAT WEBBING SLING, SINGLE PLY

Item No.	Colour Coded According to EN 1492-1	Working Load Limit (t)							Product Code
		Straight Lift	Choked Lift	$\beta$					
				0°-7°	7°-45°	45°-60°	45°	45°-60°	
		1	0.8	2	1.4	1	0.7	0.5	
WS07-101	WLL 1T	1	0.8	2	1.4	1	0.7	0.5	304103010
WS07-102	WLL 2T	2	1.6	4	2.8	2	1.4	1	304106020
WS07-103	WLL 3T	3	2.4	6	4.2	3	2.1	1.5	304109030
WS07-104	WLL 4T	4	3.2	8	5.6	4	2.8	2	304112040
WS07-105	WLL 5T	5	4	10	7	5	3.5	2.5	304115050
WS07-106	WLL 6T	6	4.8	12	8.4	6	4.2	3	304118060
WS07-108	WLL 8T	8	6.4	16	11.2	8	5.6	4	304124080
WS07-110	WLL 10T	10	8	20	14	10	7	5	304130010

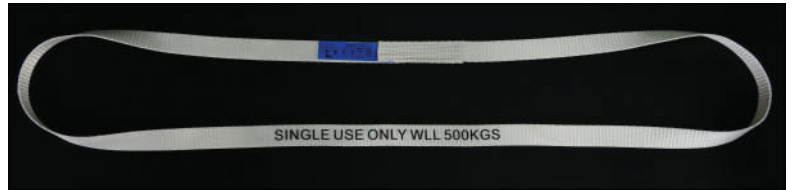
## ENDLESS FLAT WEBBING SLING, DOUBLE PLY

Item No.	Colour Coded According to EN 1492-1	Working Load Limit (t)							Product Code
		Straight Lift	Choked Lift	$\beta$					
				0°-7°	7°-45°	45°-60°	45°	45°-60°	
		1	0.8	2	1.4	1	0.7	0.5	
WS08-202	WLL 2T	2	1.6	4	2.8	2	1.4	1	304203020
WS08-203	WLL 3T	3	2.4	6	4.2	3	2.1	1.5	304205030
WS08-204	WLL 4T	4	3.2	8	5.6	4	2.8	2	304206040

# ONE WAY USE SLING

## Features:

- Designed for single use application, ideal for one-way transport operations from manufacturer to final consumer.
- Low cost with simple design, save time & effort.
- Made from high-tenacity polyester yarn (PES).
- Stronger and more compact than rope or wire rope alternative solutions.
- Easy to use and can be pre-inserted in the bundles of pipe.
- Endless type one way sling or one way sling with eyes.
- Color: white, yellow & other colors upon request.
- Safety factor 5:1 (DIN 60005) or 4:1.



## Classic areas of application:

- Prefab-house industry and suppliers
- Timber construction
- Transport of overlong goods, e.g. tubes
- Steel distribution

## WARNING:

Single-use lifting slings must not be reused and should be destroyed at the end of the transport chain. In this respect, they differ from lifting slings that comply with EN 1492-1 and that may be reused for transport and lifting operations.



## ENDLESS TYPE SINGLE PLY ONE WAY SLING



Item No.	WLL (kg)	Width (mm)	Effective Length	Product Code
WS09-0500	500	25/30	From 0.5m to 10m	305025050
WS09-0750	750	25/30	From 0.5m to 10m	305025075
WS09-1000	1000	30/35	From 0.5m to 10m	305030100
WS09-1200	1200	50	From 0.5m to 10m	305050120
WS09-1500	1500	50	From 0.5m to 10m	305050150
WS09-1700	1700	50	From 0.5m to 10m	305050170
WS09-2000	2000	50/60	From 0.5m to 10m	305050200
WS09-2250	2250	50/60	From 0.5m to 10m	305050225
WS09-2500	2500	75	From 0.5m to 10m	305075250
WS09-3000	3000	75/90	From 0.5m to 10m	305075300



## SINGLE PLY ONE WAY SLING WITH EYES



Item No.	WLL (kg)	Width (mm)	Effective Length	Product Code
WS10-1000	1000	30/35	From 1.0m to 10m	305130100
WS10-1200	1200	50	From 1.0m to 10m	305150120
WS10-1500	1500	50	From 1.0m to 10m	305150150
WS10-1700	1700	50	From 1.0m to 10m	305150170
WS10-2000	2000	50/60	From 1.0m to 10m	305150200
WS10-2250	2250	50/60	From 1.0m to 10m	305150225
WS10-2500	2500	75	From 1.0m to 10m	305175250
WS10-3000	3000	75/90	From 1.0m to 10m	305175300

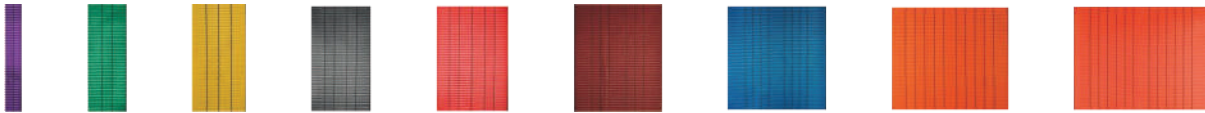




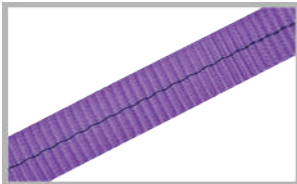
# LIFTING WEBBING BELT

## Features:

- Made from high-tenacity polyester yarn (PES).
- Colour coded for easy capacity recognition.
- Customized logo or text can be printed on webbing

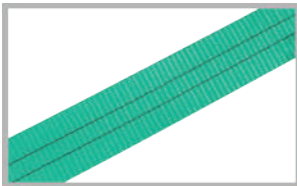


### 1T WEBBING BELT



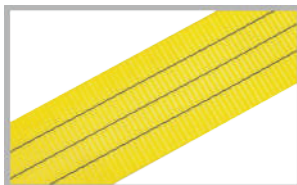
Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB1T5F	Purple	5:1	25	3125	306050001
WB1T6F	Purple	6:1	25	3750	306060001
WB1T7F	Purple	7:1	25/30/50	4500	306070001
WB1T8F	Purple	8:1	50	5000	306080001

### 2 T WEBBING BELT



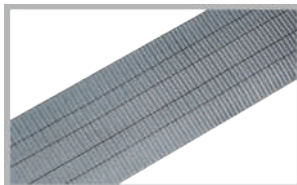
Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB2T5F	Green	5:1	50	6250	306050002
WB2T6F	Green	6:1	50	7500	306060002
WB2T7F	Green	7:1	50/60	9000	306070002
WB2T8F	Green	8:1	60	10000	306080002

### 3 T WEBBING BELT



Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB3T5F	Yellow	5:1	75	9375	306050003
WB3T6F	Yellow	6:1	75	11250	306060003
WB3T7F	Yellow	7:1	75/90	13500	306070003
WB3T8F	Yellow	8:1	90	15000	306080003

### 4 T WEBBING BELT



Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB4T5F	Grey	5:1	100	12500	306050004
WB4T6F	Grey	6:1	100	15000	306060004
WB4T7F	Grey	7:1	100/120	18000	306070004
WB4T8F	Grey	8:1	120	20000	306080004

### 5 T WEBBING BELT



Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB5T5F	Red	5:1	125	15625	306050005
WB5T6F	Red	6:1	125	18750	306060005
WB5T7F	Red	7:01	125/150	22500	306070005
WB5T8F	Red	8:1	150	25000	306080005

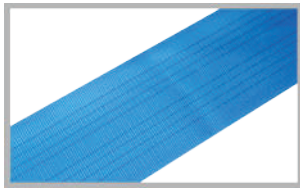
# LIFTING WEBBING BELT

## 6T WEBBING BELT



Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB6T5F	Brown	5:1	150	18750	306050006
WB6T6F	Brown	6:1	150	22500	306060006
WB6T7F	Brown	7:1	150/180	27000	306070006
WB6T8F	Brown	8:1	180	30000	306080006

## 8T WEBBING BELT



Item No.	Colour	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB8T5F	Blue	5:1	200	25000	306050008
WB8T6F	Blue	6:1	200	30000	306060008
WB8T7F	Blue	7:1	200/240	36000	306070008
WB8T8F	Blue	8:1	240	40000	306080008

## 10T WEBBING BELT

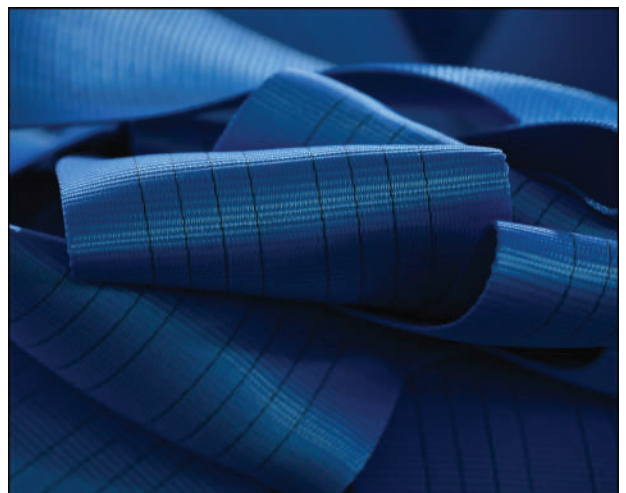
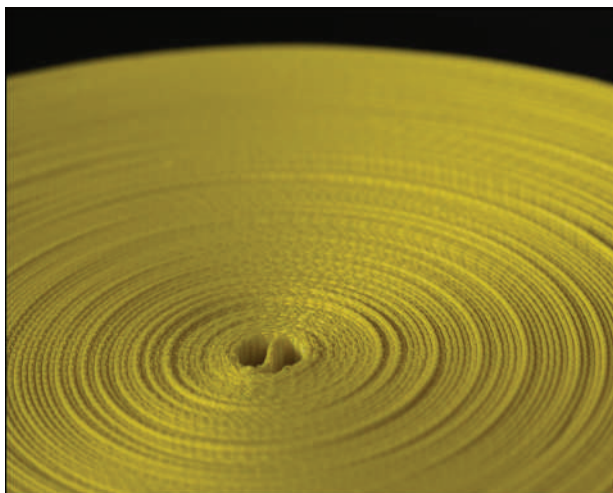


Item No.	Color	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB10T5F	Orange	5:1	250	31250	306050010
WB10T6F	Orange	6:1	250	37500	306060010
WB10T7F	Orange	7:1	250/300	45000	306070010
WB10T8F	Orange	8:1	300	50000	306080010

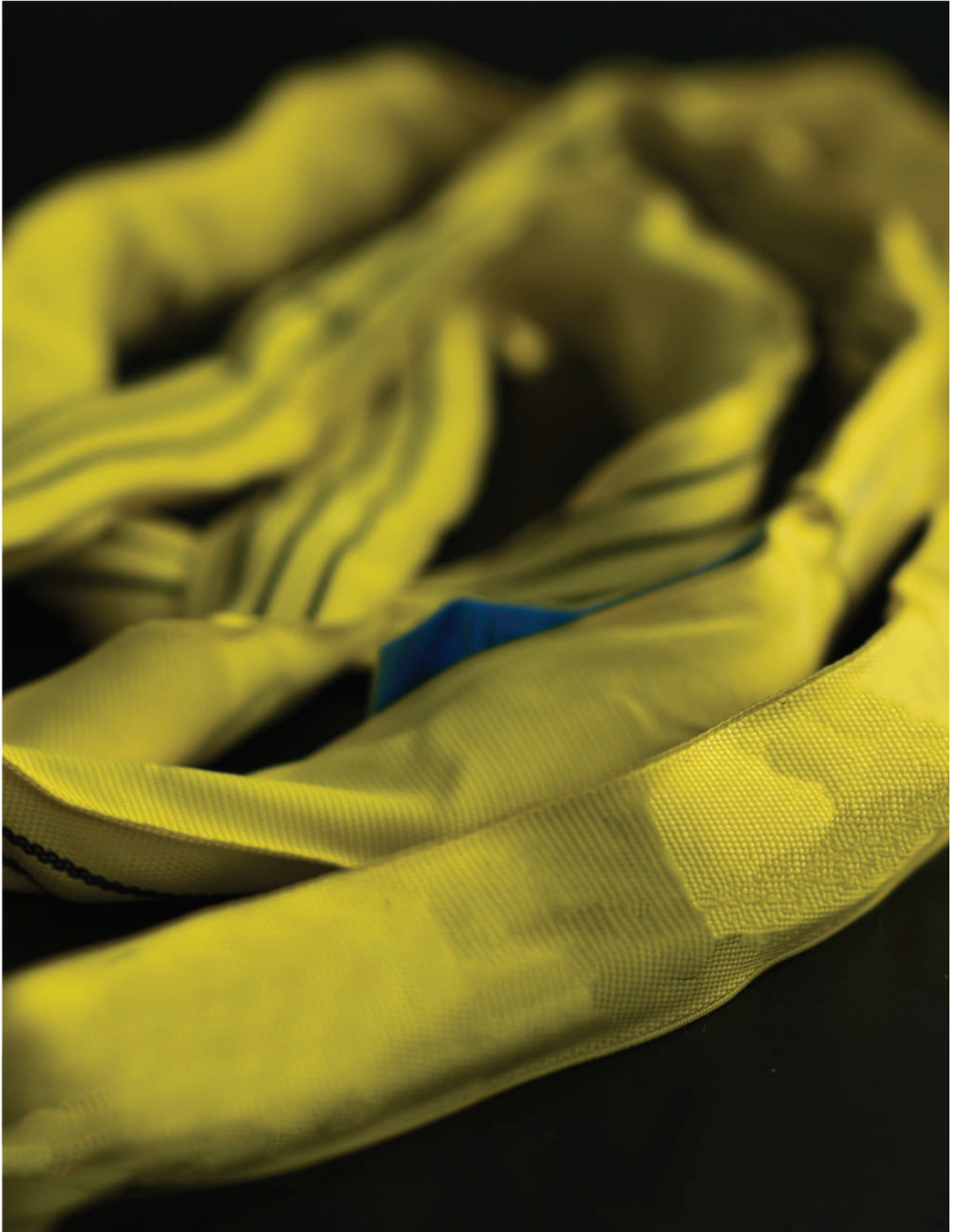
## 12T WEBBING BELT



Item No.	Color	Safety Factor	Width (mm)	M.B.S. (kg)	Product Code
WB12T5F	Orange	5:1	250	37500	306050012
WB12T6F	Orange	6:1	250	45000	306060012
WB12T7F	Orange	7:1	300	54000	306070012
WB12T8F	Orange	8:1	300	60000	306080012



## **ROUNDSLING EN1492-2, AS4497.1**



Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

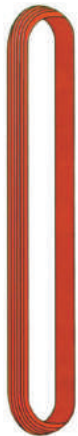
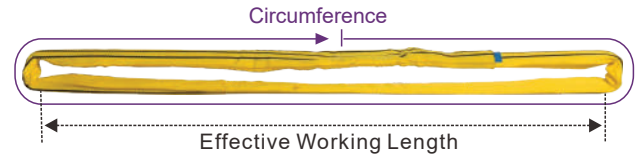
Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments

# ROUNDSLING EN1492-2, AS4497.1

## ENDLESS ROUNDSLING

- A roundsling is a sling comprising a core enclosed in a protective cover.
- Made from high-tenacity polyester yarn (PES).
- Roundsling sleeve is made by extra strong PU-impregnated webbing.
- Colour coded for easy capacity recognition. Black roundslings are also available.
- Capacity stripes: each stripe is equal to 1 tonne capacity.
- Low elongation, extremely lightweight, flexible and pliable.
- It is less damaging on contacting load surfaces than metal slings.
- Standard: EN 1492-2 & AS 4497.1
- Safety factor :7:1



Item No.	Colour Coded According to EN1492-2	Working Load Limit (t)							Product Code
		Straight Lift	Choked Lift	$\beta$					
				0°-7°	7°-45°	45°-60°	Up to 45°	45°-60°	
		1	0.8	2	1.4	1	0.7	0.5	
RS01-001	WLL 1T	1	0.8	2	1.4	1	0.7	0.5	307001001
RS01-002	WLL 2T	2	1.6	4	2.8	2	1.4	1	307001002
RS01-003	WLL 3T	3	2.4	6	4.2	3	2.1	1.5	307001003
RS01-004	WLL 4T	4	3.2	8	5.6	4	2.8	2	307001004
RS01-005	WLL 5T	5	4	10	7	5	3.5	2.5	307001005
RS01-006	WLL 6T	6	4.8	12	8.4	6	4.2	3	307001006
RS01-008	WLL 8T	8	6.4	16	11.2	8	5.6	4	307001008
RS01-010	WLL 10T	10	8	20	14	10	7	5	307001010
RS01-012	WLL 12T	12	9.6	24	16.8	12	8.4	6	307001012
RS01-015	WLL 15T	15	12	30	21	15	10.5	7.5	307001015
RS01-020	WLL 20T	20	16	40	28	20	14	10	307001020
RS01-025	WLL 25T	25	20	50	35	25	17.5	12.5	307001025
RS01-030	WLL 30T	30	24	60	42	30	21	15	307001030
RS01-035	WLL 35T	35	28	70	49	35	24.5	17.5	307001035
RS01-040	WLL 40T	40	32	80	56	40	28	20	307001040
RS01-045	WLL 45T	45	36	90	63	45	31.5	22.5	307001045
RS01-050	WLL 50T	50	40	100	70	50	35	25	307001050
RS01-060	WLL 60T	60	48	120	84	60	42	30	307001060
RS01-080	WLL 80T	80	64	160	112	80	56	40	307001080
RS01-100	WLL 100T	100	80	200	140	100	70	50	307001100
RS01-120	WLL 120T	120	96	240	168	120	84	60	307001120
RS01-200	WLL 200T	200	160	400	280	200	140	100	307001200

## RFID (Radio Frequency Identification) Tag

**Option 1:**  
Operating Frequency:  
UHF  
RF Protocol:  
ISO 18000-6



UHF TAG

**Option 2:**  
Operating Frequency:  
HF  
RF Protocol:  
ISO 15693

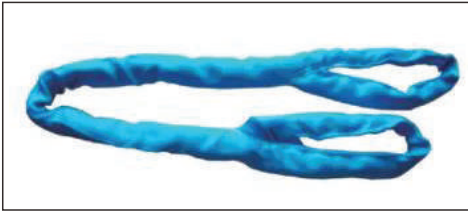


HF TAG








# ROUNDSLING EN1492-2, AS4497.1

## EYE & EYE ROUNDSLING (EN 1492-2, AS 4497.1)



Standard roundsling can be formed into eye and eye type sling by adding a cover sleeve over the middle part of the roundsling. This sleeve provides excellent abrasion resistance. The eye and eye roundslings are available in the same sizes and colors as standard roundslings. This type of roundsling is used most commonly in basket orientations or with shackles.



Item No.	Colour Coded According to EN 1492-2	Working Load Limit (t)					Minimum Length(m)	Product Code
		Straight Lift	Choked Lift	β				
				0°-7°	7°-45°	45°-60°		
								
		1	0.8	2	1.4	1		
RS02-010	WLL 1T	1	0.8	2	1.4	1	1.0	307101001
RS02-020	WLL 2T	2	1.6	4	2.8	2	1.5	307101002
RS02-030	WLL 3T	3	2.4	6	4.2	3	1.5	307101003
RS02-040	WLL 4T	4	3.2	8	5.6	4	1.5	307101004
RS02-050	WLL 5T	5	4	10	7	5	1.5	307101005
RS02-060	WLL 6T	6	4.8	12	8.4	6	2.0	307101006
RS02-080	WLL 8T	8	6.4	16	11.2	8	3.0	307101008
RS02-100	WLL 10T	10	8	20	14	10	3.0	307101010
RS02-120	WLL 12T	12	9.6	24	16.8	12	3.0	307101012

## TOWING SLING



Item No.	MBS(t)	Length(m)	Product Code
TS-0806	8	6	307200806
TS-1206	12	6	307201206
TS-1606	16	6	307201606
TS-1806	18	6	307201806
TS-2406	24	6	307202406
TS-2806	28	6	307202806
TS-3606	36	6	307203606
TS-4206	42	6	307204206
TS-4806	48	6	307204806
TS-5606	56	6	307205606
TS-6006	60	6	307206006

-Towing slings are used for heavier machines like forest machines, load vehicles, excavators.

-Light weight and good shock absorption make it flexible and safe to use.

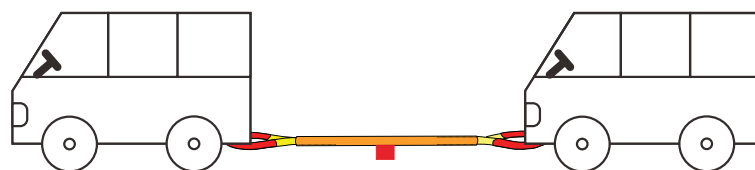
-Provided with a sleeve.

-Marked with information about breaking load in straight pull.

-Standard length is 6m, other lengths available to customer request.

-Both eyes have an extra protection against abrasion.

-Not to be used for lifting.

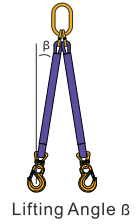





# ROUNDSLING ASSEMBLY

## Features:


- 1-, 2-, 3- and 4-leg assemblies are suitable for all kinds of lifting.
- A lighter alternative compared to a chain sling or wire rope sling assembly.
- 100 % polyester roundsling according to EN 1492-2.
- High-strength hardware according to EN 1677.
- Safety factor: 4 : 1



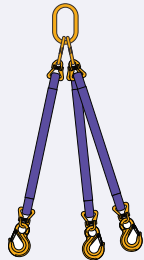
### 1-LEG ROUNDSLING ASSEMBLY

Item No.		WLL (t)	Product Code
RSA-1-1		1	308001010
RSA-1-2		2	308001020
RSA-1-3		3	308001030
RSA-1-5		5	308001050

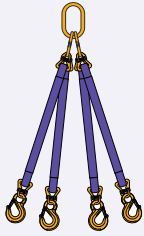
### 2-LEG ROUNDSLING ASSEMBLY

Item No.		WLL(t)	WLL (t)	Product Code
		Lifting Angle $\beta$	Lifting Angle $\beta$	
		0-45°	45-60°	
RSA-2-1		1.4	1	308002014
RSA-2-2		2.8	2	308002028
RSA-2-3		4.2	3	308002042
RSA-2-5		7	5	308002070

### 3-LEG ROUNDSLING ASSEMBLY

Item No.		WLL(t)	WLL (t)	Product Code
		Lifting Angle $\beta$	Lifting Angle $\beta$	
		0-45°	45-60°	
RSA-3-1		2.1	1.5	308003021
RSA-3-2		4.2	3	308003042
RSA-3-3		6.3	4.5	308003063
RSA-3-5		10.5	7.5	308003105

### 4-LEG ROUNDSLING ASSEMBLY

Item No.		WLL(t)	WLL (t)	Product Code
		Lifting Angle $\beta$	Lifting Angle $\beta$	
		0-45°	45-60°	
RSA-4-1		2.1	1.5	308004021
RSA-4-2		4.2	3	308004042
RSA-4-3		6.3	4.5	308004063
RSA-4-5		10.5	7.5	308004105







# SYNTHETIC ROUNDSLING ASME/ANSI B30.9



## Features:

- Roundsling – a sling type used for general lifting or material handling purposes that is comprised of a load-bearing cores, made from synthetic yarns of unwoven continuous filament fibers, which is fully enclosed in a protective cover.
- Roundsling sleeve is made of extra strong PU-impregnated webbing.
- Low elongation, extremely lightweight, flexible and pliable.
- Protection against cargo surface damage.
- Basic types of round sling: endless, eye & eye and bridle (multi-legged).
- Standard: ASME/ANSI B30.9
- Safety factor 5:1



Item No.	Working Load Limit(lbs)						Product Code
							
	Vertical	Choker	Vertical Basket	60° Basket	45° Basket	30° Basket	
RS03-1	2,600	2,100	5,200	4,500	3,700	2,600	309002600
RS03-2	5,300	4,200	10,600	9,200	7,500	5,300	309005300
RS03-3	8,400	6,700	16,800	14,500	11,900	8,400	309008400
RS03-4	10,600	8,500	21,200	18,400	15,000	10,600	309010600
RS03-5	13,200	10,600	26,400	22,900	18,700	13,200	309013200
RS03-6	16,800	13,400	33,600	29,100	23,800	16,800	309016800
RS03-7	21,200	17,000	42,400	36,700	30,000	21,200	309021200
RS03-8	25,000	20,000	50,000	43,300	35,400	25,000	309025000
RS03-9	31,000	24,800	62,000	53,700	43,800	31,000	309031000
RS03-10	40,000	32,000	80,000	69,300	56,600	40,000	309040000
RS03-11	53,000	42,400	106,000	91,800	74,900	53,000	309053000
RS03-12	66,000	52,800	132,000	114,300	93,300	66,000	309066000
RS03-13	90,000	72,000	180,000	155,900	127,300	90,000	309090000

Remarks: eye and eye type roundsling is available upon request.  
When ordering it is important to make clear whether the length specified is circumference or effective length.

## REMOVAL CRITERIA

A roundsling must be immediately removed from service if any of the following forms of damage are visible:

- Holes, tears, cuts, embedded particles, excessive abrasive wear, or snags that expose the core yarns of the roundsling.
- Broken, cut, damaged core yarns.
- If roundsling identification tag is missing or not legible.
- Knots in any part of the roundslings.
- Melting, charring or weld spatter on any part of the roundsling.
- Acid or alkali burns.
- Broken or worn stitching in the cover which exposes the core yarns.
- Distortion, excessive pitting, corrosion or other damage to fitting(s).
- Any conditions which cause doubt as to the strength of the roundsling.

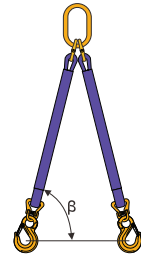
## WARNING

- Synthetic slings must not be loaded in excess of rated capacity. Consideration shall be given to the sling angle, which affects sling tension.
- Always protect synthetic slings from being cut or damaged by corners, edges and protrusions.

# SYNTHETIC BRIDLE SLING


## Features:

- Lightweight and easy to handle when compared to wire and chain bridles.
- Better load control and balance by using fixed connecting points and multiple legs
- Use of master links and hooks prevents cutting and abrasion of sling at bearing points.
- Pliable for easy storage.
- Standard: ASME/ANSI B30.9
- Safety factor 5:1




Horizontal Angle  $\beta$

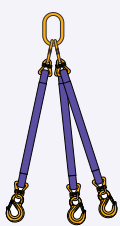
## 1-LEG SYNTHETIC BRIDLE SLING

Item No.		Color	Rated Capacity	Minimum Leg Length(feet)	Product Code
			Vertical(lbs)		
RSBS-1-1		Purple	2600	4	3100102600
RSBS-1-2		Green	5300	4	3100105300
RSBS-1-3		Yellow	8400	4	3100108400
RSBS-1-4		Tan	10600	4	3100110600
RSBS-1-5		Red	13200	4	3100113200
RSBS-1-6		White	16800	8	3100116800
RSBS-1-7		Blue	21200	8	3100121200


## 2-LEG SYNTHETIC BRIDLE SLING

Item No.		Color	Capacity at Horizontal Angle $\beta$ (lbs)			Product Code
			60°	45°	30°	
RSBS-2-1		Purple	4500	3700	2600	3100204500
RSBS-2-2		Green	9200	7500	5300	3100209200
RSBS-2-3		Yellow	14500	11800	8400	3100214500
RSBS-2-4		Tan	18300	14900	10600	3100218300
RSBS-2-5		Red	22800	18600	13200	3100222800
RSBS-2-6		White	29000	23700	16800	3100229000
RSBS-2-7		Blue	36700	29900	21200	3100236700

## 3-LEG SYNTHETIC BRIDLE SLING

Item No.		Color	Capacity at Horizontal Angle $\beta$ (lbs)			Product Code
			60°	45°	30°	
RSBS-3-1		Purple	6750	5520	3900	3100306750
RSBS-3-2		Green	13800	11250	7950	3100313800
RSBS-3-3		Yellow	21750	17700	12600	3100321750
RSBS-3-4		Tan	27450	22350	15900	3100327450
RSBS-3-5		Red	34200	27900	19800	3100334200

## 4-LEG SYNTHETIC BRIDLE SLING

Item No.		Color	Capacity at Horizontal Angle $\beta$ (lbs)			Product Code
			60°	45°	30°	
RSBS-4-1		Purple	9000	7360	5200	3100409000
RSBS-4-2		Green	18400	15000	10600	3100418400
RSBS-4-3		Yellow	29000	23600	16800	3100429000
RSBS-4-4		Tan	36600	29800	21200	3100436600

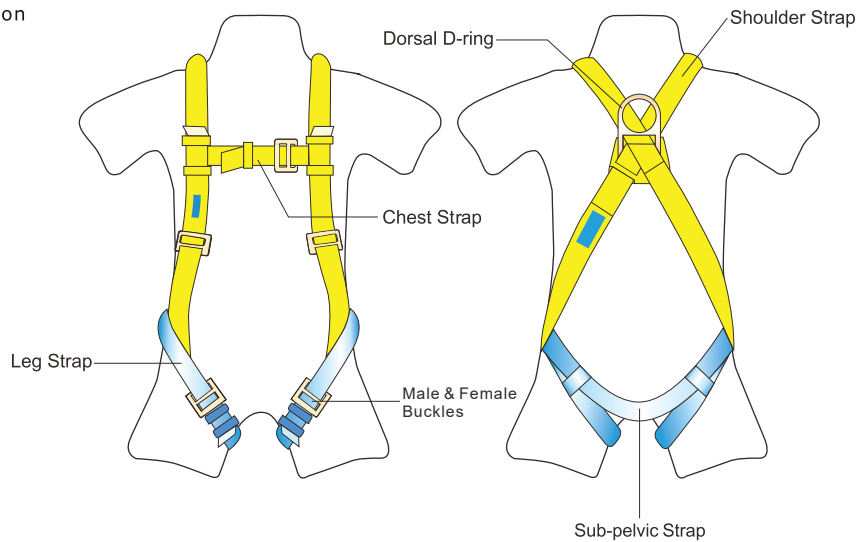
# SAFETY HARNESS

Verkronn offers you a full range of safety harnesses covering all areas of application. Ergonomics and comfort are two of the prime concerns where harnesses need to be worn for lengthy periods of time.

They are mainly used for following types of applications:

- industrial applications
- catenary and overhead cable construction
- wind power stations
- telecommunications
- maintenance work
- constructional steelwork
- construction
- scaffold erection
- sewer work
- tree work
- rope-supported work
- rescuing from heights
- fire brigade

Sizes Available: Universal Fit



## SH1201



- webbing 50mm
  - 1 fall arrest dorsal D-ring
  - adjustable thigh and waist strap
  - 3 connecting and regulating buckles
- Product Code: 32000001

## SH1202



- webbing 45mm
  - 1 fall arrest dorsal D-ring
  - 1 comfortable dorsal pad support
  - 4 connecting and regulating buckles
- Product Code: 32000002

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments



# SAFETY HARNESS

SH1203



- webbing 50mm
  - 1fall arrest dorsal D-ring
  - adjustable thigh, waist and chest strap
  - 4 connecting and regulating buckles
- Product Code: 320000003

SH1204



- EN361
- webbing 45mm
  - 1fall arrest dorsal D-ring
  - adjustable thigh and chest strap
  - 3 connecting and regulating buckles
- Product Code: 320000004

SH1205



- EN361
- webbing 45mm
  - 1fall arrest dorsal D-ring
  - adjustable shoulder, thigh and chest strap
  - 5 connecting and regulating buckles
- Product Code: 320000005

SH1206



- EN361
- webbing 45mm
  - 1fall arrest dorsal D-ring
  - 2 positioning bent D-rings on waist for work positioning
  - adjustable shoulder, thigh and chest strap
  - 4 connecting and regulating buckles
- Product Code: 320000006

## SAFETY BELT

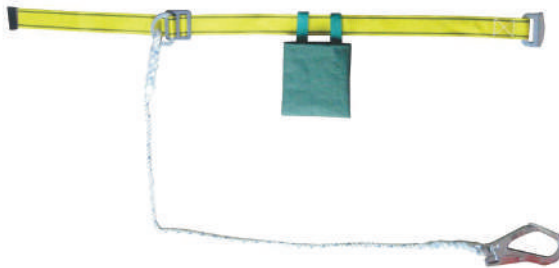
The safety belt enhances the worker's safety by providing a safe means of restraint. The user friendly design is with only a single front connection point on the work belt, increasing stability. Please note that the safety belt is a form of restraint, not fall arrest, and therefore should be used in conjunction with a fall arrest device.



SB1  
EN358  
Safety belt with scaffold hook, D ring and tool bag.  
Product Code:321000001



SB2  
EN358  
Safety belt with snap hook, D ring and tool bag.  
Product Code:321000002



SB3  
EN358  
Safety factor with scaffold hook, buckle and tool bag.  
Product Code:321000003

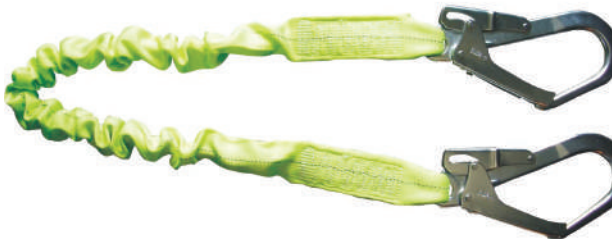


SB4  
EN358  
Safety belt with snap hook, buckle and tool bag.  
Product Code:321000004

# SAFETY LANYARD

## SAFETY LANYARD

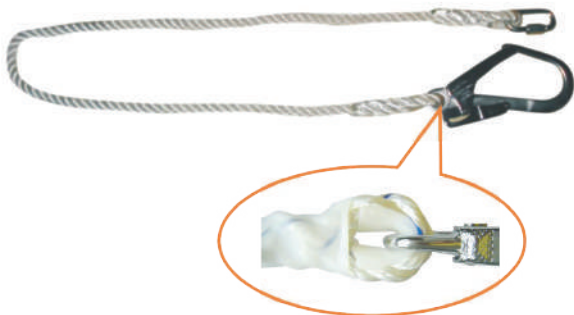
Safety lanyard is designed to prevent falls by prohibiting the wearer from reaching a hazardous position where a fall might occur.



### SL1 STRETCH ENERGY ABSORBING LANYARD

Similar in design to the original decelerator lanyard with the addition of elastic which allows the lanyard to retract when not under tension. This helps to reduce the possibility of tripping over excess lanyard webbing.

- round webbing width:45mm
  - material of straps: polyester
  - chromium-plated press scaffold hook, CE certified.
- Product Code: 322000001



### SL2 ROPE LANYARD

Rope lanyards are not appropriate for fall arrest unless used as a part of a fall arrest system, incorporates an energy absorbing component.

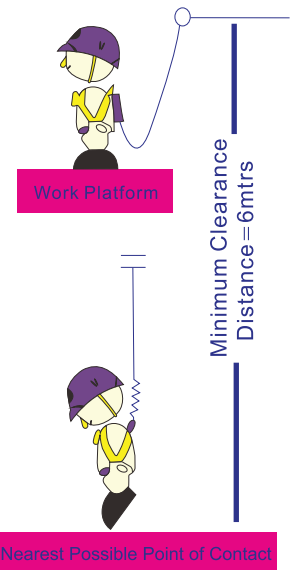
- rope dia.14MM; length:1.5M
  - chromium-plated scaffold hook, CE certified
  - quick connecting link.
- Product Code: 322000002



### SL3 ROPE LANYARD

Rope lanyards are not appropriate for fall arrest unless used as a part of a fall arrest system, incorporates an energy absorbing component.

- rope dia. 14MM
  - length: 1.5M
  - chromium-plated scaffold hook, CE certified
- Product Code : 322000003



## ENERGY ABSORBER



### EA1

Energy absorbing lanyards are available in numerous materials each with features to suit a variety of fall arrest applications. The compact energy absorber allows for users to be closely connected to their anchorage point. Add snap hooks to each end for easy attachment to each workers harness and anchorage point.

Product Code : 322000004

## SAFETY LANYARD

SAL series shock absorbing lanyards offer a variety of compact, lightweight and durable energy absorbers which reduce the possibility of serious injuries. The clear protective covering provides for fast, easy visual inspection. Locking snaphook reduces the possibility of accidental disengagement.



### SAL1

- rope dia. 14mm; length:1.5m
- shock absorber
- chromium-plated middle snap hook
- chromium-plated scaffold hook, CE certified
- Product Code 323000001



### SAL2

- rope dia. 14mm; length:1.5m x 2
- shock absorber
- chromium-plated middle snap hook
- chromium-plated scaffold hook, CE certified
- Product Code 323000002



### SAL3

- webbing width:35mm
- webbing length:1.2m, total length 1.7m
- chromium-plated scaffold hook, CE certified
- Product Code 323000003

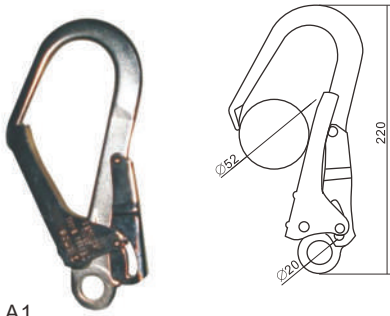


### SAL4

- webbing width:45mm, length:1.5m x 2
- material of straps: polyester
- shock absorber
- 2 chromium-plated scaffold hooks, CE certified
- Product Code 323000004



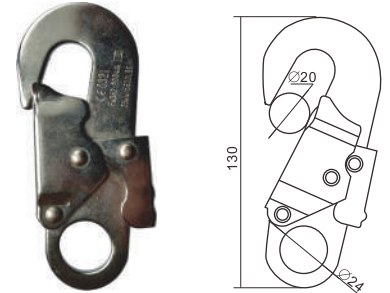
# SAFETY HARNESS ACCESSORIES



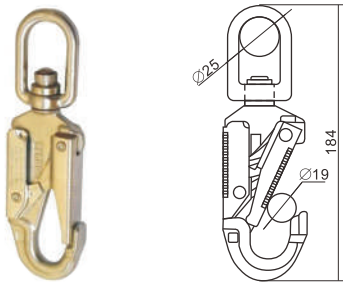
**A1**  
EN362  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000001



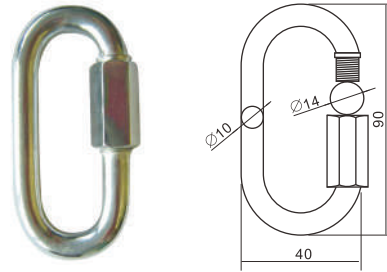
**A2**  
EN362  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000002



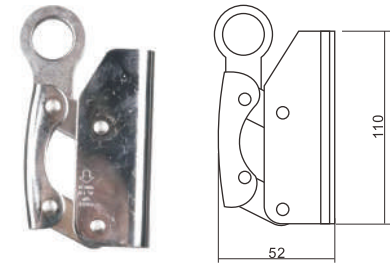
**A3**  
EN362  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000003



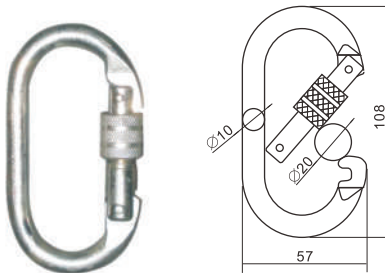
**A4**  
EN362  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000004



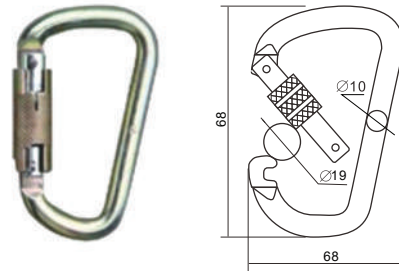
**A5**  
EN362  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000005



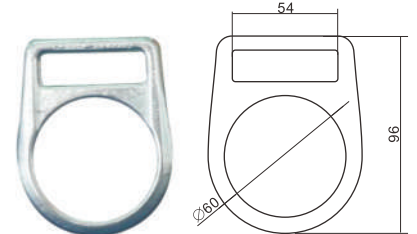
**A6**  
EN362.354  
Min. Tensile  
Strength: 16kN/3600lbs  
Product Code : 324000006



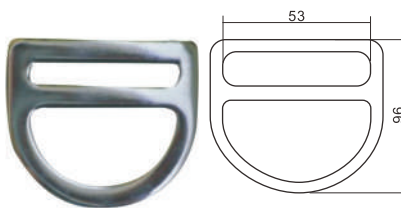
**A7**  
EN362  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000007



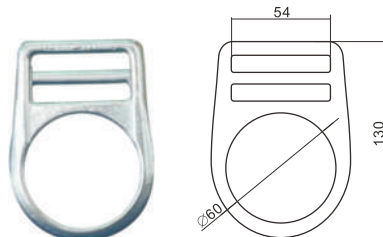
**A8**  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000008



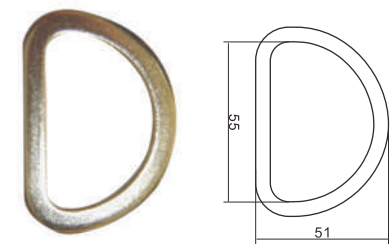
**A9**  
EN362.354  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000009



**A10**  
EN362.354  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000010



**A11**  
EN362.354  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000011



**A12**  
EN362.354  
Min. Tensile  
Strength: 23kN/5000lbs  
Product Code : 324000012

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

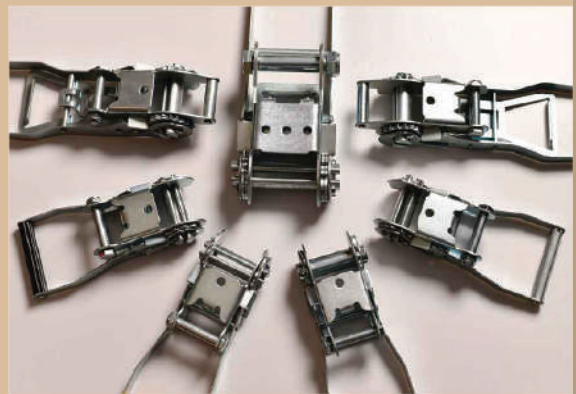
Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments

# TRANSPORT AND LOAD RESTRAINTS

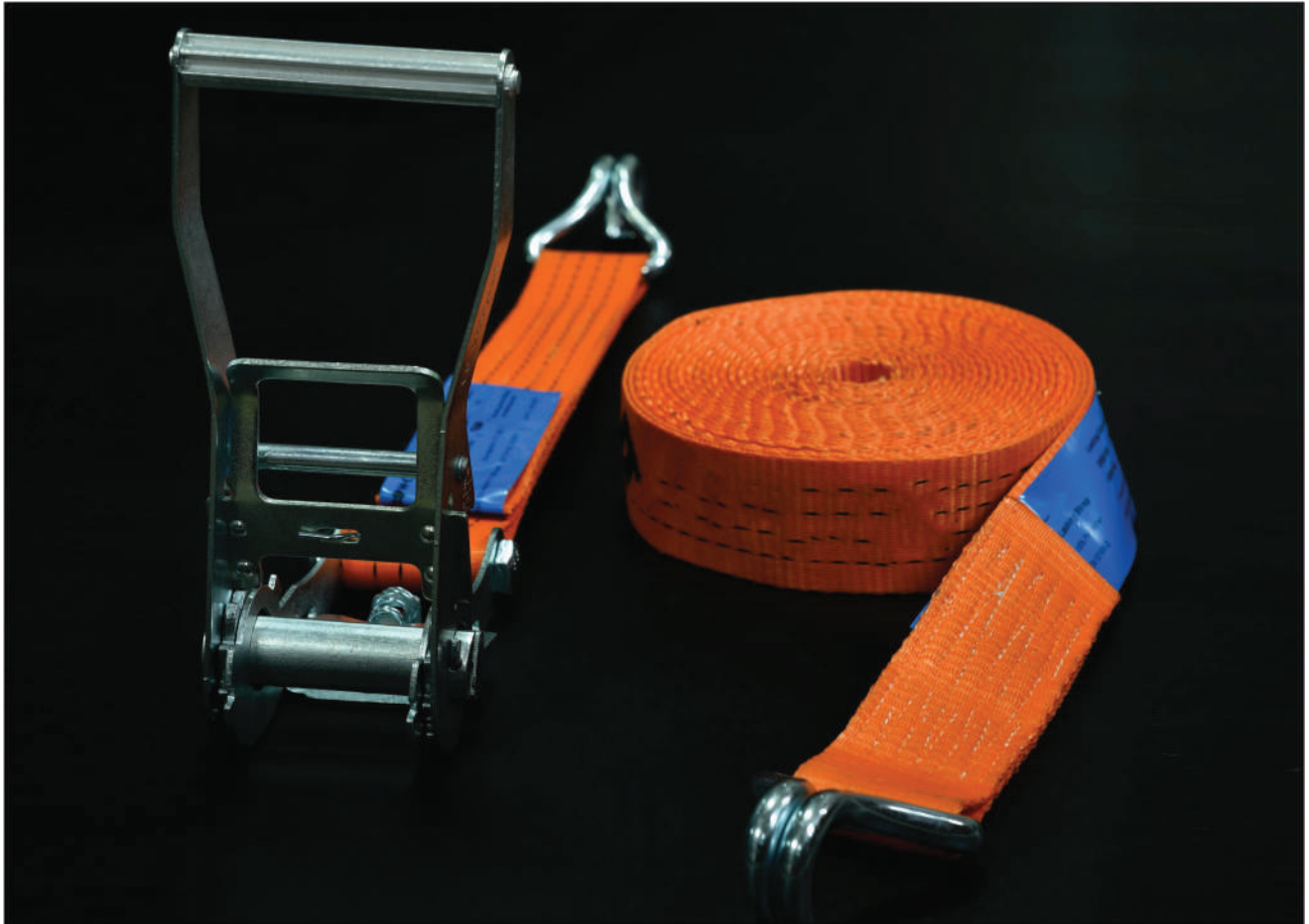




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## RATCHET STRAP EN12195-2



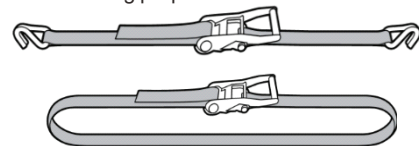
- Designed to be attached to the lashing points in order to secure the cargo during transportation, moving, shipping and storage.
- Flexible and durable lashings made of high strength polyester strap and steel ratchets, with or without end fittings.
- Extremely quick and efficient tie down and release of load.
- It is less damaging on contacting cargo surfaces than lashing chains.
- Ratchet straps are available in various lashing capacities, lengths and configurations.
- Standard: EN 12195-2
- Option: Cr6 free galvanized ratchet buckle and end fittings.

### ALWAYS:

- Inspect web lashings before use.
- Calculate the lashing force(s) required for the chosen method of load restraint.
- Select the capacity and number of web lashings to provide at least the calculated lashing force(s)
- Ensure the lashing points on the vehicle and/or load are of adequate strength.
- Position the web lashing so that the load is uniformly spread over its width and protect the web lashing from small radii, especially sharp edges.
- Ensure the web lashings are correctly tensioned.
- Exercise care when releasing web lashings in case the load has become unstable since the lashings were applied.

### Ratchet tie down is broadly classified into two groups :

1. Two Part Ratchet Tie Down  
It is used to secure cargo while transportation in flatbed trailers, containers & open trucks.
2. Endless Type Ratchet Tie Down  
It is used for bundling purpose.



### NEVER:





- Use web lashings to lift a load.
- Knot or tie web lashings.
- Overload web lashings.
- Use web lashings over a sharp edge without edge protection.
- Expose web lashings to direct heat or flames.
- Expose web lashings to chemicals without consulting the supplier.
- Use web lashings which are cut, have loose or damaged stitching, a damaged tensioner or damaged terminal fittings.



# RATCHET STRAP EN12195-2







## 25MM/0.5T CAM TIE DOWN

	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD2505SK	0.4 + 4.6	S Hook	250	500	401002501
	RTD2505DJ	0.4 + 4.6	Double J Hook	250	500	401002502
	RTD2505CK	0.4 + 4.6	Claw Hook	250	500	401002503
	RTD2505TG	0.4 + 4.6	Triangle	250	500	401002504





## 25MM/0.8T/1T RATCHET TIE DOWN

	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD2508SK	0.4 + 4.6	S Hook	400	800	401002505
	RTD2510SK			500	1000	401002506
	RTD2508DJ	0.4 + 4.6	Double J Hook	400	800	401002507
	RTD2510DJ			500	1000	401002508
	RTD2508CK	0.4 + 4.6	Claw Hook	400	800	401002509
	RTD2510CK			500	1000	401002510
	RTD2508TG	0.4 + 4.6	Triangle	400	800	401002511
	RTD2510TG			500	1000	401002512






## 28MM/1.5T RATCHET TIE DOWN

	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD2815DJ	0.5 + 4.5	Double J Hook	750	1500	401002801
	RTD2815CK	0.5 + 4.5	Claw Hook	750	1500	401002802
	RTD2815TG	0.5 + 4.5	Triangle	750	1500	401002803



## 35MM/2T RATCHET TIE DOWN

	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD3520DJ	0.5 + 5.5	Double J Hook	1000	2000	401003501
	RTD3520SJ	0.5 + 5.5	Single J Hook	1000	2000	401003502
	RTD3520CK	0.5 + 5.5	Claw Hook	1000	2000	401003503
	RTD3520TG	0.5 + 5.5	Triangle	1000	2000	401003504

# RATCHET STRAP EN12195-2




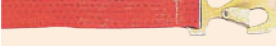



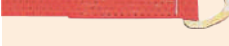


## 35MM/2.5/3T RATCHET TIE DOWN

	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD3525DJ	0.5 + 5.5	Double J Hook	1250	2500	401003505
	RTD3530DJ			1500	3000	401003506
	RTD3525SJ	0.5 + 5.5	Single J Hook	1250	2500	401003507
	RTD3530SJ			1500	3000	401003508
	RTD3525CK	0.5 + 5.5	Claw Hook	1250	2500	401003509
	RTD3530CK			1500	3000	401003510
	RTD3525TG	0.5 + 5.5	Triangle	1250	2500	401003511
	RTD3530TG			1500	3000	401003512

## 50MM/4T/5T RATCHET TIE DOWN





	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD5040DJ	0.5 + 9.5	Double J Hook	2000	4000	401005001
	RTD5050DJ			2500	5000	401005002
	RTD5040CK	0.5 + 9.5	Claw Hook	2000	4000	401005003
	RTD5050CK			2500	5000	401005004
	RTD5040TS	0.5 + 9.5	Twisted Snap Hook	2000	4000	401005005
	RTD5050TS			2500	5000	401005006
	RTD5040FS	0.5 + 9.5	Flat Snap Hook	2000	4000	401005007
	RTD5050FS			2500	5000	401005008
	RTD5040JK	0.5 + 9.5	Double J Hook With Keeper	2000	4000	401005009
	RTD5050JK			2500	5000	401005010
	RTD5040SJ	0.5 + 9.5	Single J Hook	2000	4000	401005011
	RTD5050SJ			2500	5000	401005012
	RTD5040FT	0.5 + 9.5	Forged Hook With Triangle	2000	4000	401005013
	RTD5050FT			2500	5000	401005014
	RTD5040TG	0.5 + 9.5	Triangle	2000	4000	401005015
	RTD5050TG			2500	5000	401005016

# RATCHET STRAP EN12195-2

## 50MM/4T/5T ERGO RATCHET TIE DOWN



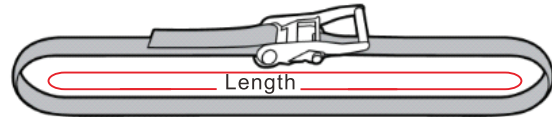
	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	ERTD5040DJ	0.5 + 9.5	Double J Hook	2000	4000	401005017
	ERTD5050DJ			2500	5000	401005018
	ERTD5040CK	0.5 + 9.5	Claw Hook	2000	4000	401005019
	ERTD5050CK			2500	5000	401005020

## 75MM/10T RATCHET TIE DOWN



	Item No.	Length (m)	End Fitting	LC (daN)	MBS (kg)	Product Code
	RTD75100DJ	0.5 + 9.5	Double J Hook	5000	10000	401007501
	RTD75100CK	0.5 + 9.5	Claw Hook	5000	10000	401007502

## ENDLESS TIE DOWN ASSEMBLY



	Item No.	Width/Length	Tensioning Device	LC (daN)	MBS (kg)	Product Code
	ETD25025	25mm / 5m	Cam	125	250	401102501
	ETD25030			150	300	401102502
	ETD25040			200	400	401102503
	ETD25050			250	500	401102504
	ETD25160	25mm / 5m	Ratchet	800	1600	401102505
	ETD25200			1000	2000	401102506
	ETD28300	28mm / 6m	Ratchet	1500	3000	401102801
	ETD35400	35mm / 6m	Ratchet	2000	4000	401103501
	ETD35600		Ratchet	3000	6000	401103502
	ETD50800	50mm / 8m	Ratchet	4000	8000	401105001
	ETD501000		Ratchet	5000	10000	401105002
	ETD752000	75mm / 10m	Ratchet	10000	20000	401107501

## CAM BUCKLE STRAPS



Material: 100% polyester (PES) or polypropylene (PP)  
 Colour: as per customer requirement  
 Package: 45pcs in one showing box  
 5 items x 9 pcs/item  
 3 items x 15 pcs/item

Item No.	MBS(kg)	Width(mm)	Length(m)	Product Code
ETD250041	400	25	1.0	401240003
	400	25	2.0	
	400	25	3.5	
ETD250042	400	25	1.0	401240005
	400	25	1.5	
	400	25	2.0	
	400	25	2.5	
	400	25	3.5	

# WEB TIE DOWNS WSTDA-T-1

## Features:

- A web tie down is fabricated of polyester yarn, woven, and with or without hardware, for the purpose of securing cargo.
- Basic types: ratchet strap, logistic strap and winch strap.
- Flexible and durable.
- Extremely quick and efficient tie down and release of load.
- Ratchet straps are available in various working load limits, lengths and configurations.
- Standard: WSTDA-T-1



### 1" RATCHET AND CAM BUCKLE STRAP






	Item No.	Buckle	Strap (width x Length)	End Fitting	WLL (lbs)	MBS (lbs)	Product Code
	RSFH110	Ratchet	1"x10'	Flat Hook	330	1000	402011001
	CSFH110	Cam	1"x10'				
	RSSH110	Ratchet	1"x10'	Stamped Snap Hook	700	2100	402011003
	CSSH110	Cam	1"x10'				
	RSDJ110	Ratchet	1"x10'	Double J Hook	700	2100	402011005
	CSDJ110	Cam	1"x10'				
	RSHK110	Ratchet	1"x10'	Hook & Keeper	700	2100	402011007
	CSHK110	Cam	1"x10'				
	RSSK110	Ratchet	1"x10'	S Hook	700	2100	402011009
	CSSK110	Cam	1"x10'				
	RSEL110	Ratchet	1"x10'	Endless	700	2100	402011011
	CSEL110	Cam	1"x10'				

### 2" RATCHET STRAP




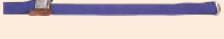
	Item No.	Strap (width x Length)	End Fitting	WLL (lbs)	MBS (lbs)	Product Code
	RSDJ227	2"x27'	Double J Hook	3300	10000	402022701
	RSDJ230	2"x30'				
	RSFH227	2"x27'	Flat Hook	3300	10000	402022703
	RSFH230	2"x30'				
	RSGH227	2"x27'	Chain Grab Hook	3300	10000	402022705
	RSGH230	2"x30'				
	RSSH227	2"x27'	Twisted Snap Hook	3300	10000	402022707
	RSSH230	2"x30'				
	RSCH227	2"x27'	Chain Anchor Assembly	3300	10000	402022709
	RSCH230	2"x30'				
	RSDR227	2"x27'	Delta Ring	3300	10000	402022711
	RSDR230	2"x30'				
	RSLFH227	2"x27'	Flat Hook	1600	5000	402022713
	RSLFH230	2"x30'				
	RSLDR227	2"x27'	Delta Ring	1600	5000	402022715
	RSLDR230	2"x30'				

# WEB TIE DOWNS WSTDA-T-1








## 3"/4" RATCHET STRAP

	Item No.	Strap (width x Length)	End Fitting	WLL (lbs)	MBS (lbs)	Product Code
	RSDJ327	3"x27'	Double J Hook	5000/5400	15000/16200	402032717
	RSDJ430	4"x30'				402043018
	RSFH327	3"x27'	Flat Hook	5000/5400	15000/16200	402032719
	RSFH430	4"x30'				402043020
	RSGH327	3"x27'	Chain Grab Hook	5000/5400	15000/16200	402032721
	RSGH430	4"x30'				402043022
	RSCH327	3"x27'	Chain Anchor Assembly	5000/5400	15000/16200	402032723
	RSCH430	4"x30'				402043024
	RSFT327	3"x27'	Forged Triangle	5000/5400	15000/16200	402032725
	RSFT430	4"x30'				402043026

## 2" LOGISTIC STRAP

	Item No.	Strap (width x Length)	End Fitting	WLL (lbs)	MBS (lbs)	Product Code
	WLRB212	2"x12'	E Track Fitting	1300	4000	402021227
	WLRB216	2"x16'				402021628
	WERB212	2"x12'	3 Piece End Fitting	1300	4000	402021229
	WERB216	2"x16'				402021630
	WLCB212	2"x12'	E Track Fitting	830	2500	402021231
	WLCB216	2"x16'				402021632
	WBCB212	2"x12'	Butterfly Fitting	410	1250	402021233
	WBCB216	2"x16'				402021634

## WINCH STRAP

	Item No.	Strap (width x Length)	End Fitting	WLL (lbs)	MBS (lbs)	Product Code			
	WSFH227	2"x27'	Flat Hook	3300	10000	402122701			
	WSFH230	2"x30'				402123002			
	WSFH327	3"x27'	Flat Hook	5000/5400	15000/16200	402132703			
	WSFH330	3"x30'				402133004			
	WSFH427	4"x27'				Flat Hook	5000/5400	15000/16200	402142705
	WSFH430	4"x30'							402143006
	WSFT327	3"x27'	Forged Triangle	5000/5400	15000/16200	402132707			
	WSFT330	3"x30'				402133008			
	WSFT427	4"x27'				Forged Triangle	5000/5400	15000/16200	402142709
	WSFT430	4"x30'							402143010
	WSGH327	3"x27'	Chain Grab Hook	5000/5400	15000/16200	402132711			
	WSGH330	3"x30'				402133012			
	WSGH427	4"x27'				Chain Grab Hook	5000/5400	15000/16200	402142713
	WSGH430	4"x30'							402143014
	WSCH327	3"x27'	Chain Anchor Assembly	5000/5400	15000/16200	402132715			
	WSCH330	3"x30'				402133016			
	WSCH427	4"x27'				Chain Anchor Assembly	5000/5400	15000/16200	402142717
	WSCH430	4"x30'							402143018
	WSDJ327	3"x27'	Double J Hook	5000/5400	15000/16200	402132719			
	WSDJ330	3"x30'				402133020			
	WSDJ427	4"x27'				Double J Hook	5000/5400	15000/16200	402142721
	WSDJ430	4"x30'							402143022
	WSSE327	3"x27'	Sewn Eye	5000/5400	15000/16200	402132723			
	WSSE330	3"x30'				402133024			
	WSSE427	4"x27'				Sewn Eye	5000/5400	15000/16200	402142725
	WSSE430	4"x30'							402143026

Manual Hoisting  
Equipments

Textile Slings and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Slings/Components

Wire Rope/Wire Rope  
Slings/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments



# RATCHET TIE DOWN ASSEMBLY AS/NZS 4380

## Features:

- Ratchet tie down assemblies are the complete lashing system with the benefits of high pretension therefore less damage to cargo for general transport requirements.
- Lashing capacities available from 400kg to 10,000kg with webbing widths from 25mm to 75mm.
- Manufactured from high tenacity polyester webbing, ratchet buckle, hook and keepers stamped with lashing capacity,
- Blue labels on both fixed end and free end of strap are printed with lashing capacity, webbing material, length, date of manufacture, batch number, supplier's symbol and standard number.
- Test certificate available upon request. Complies with AS/NZS 4380.



25mm/400kg x 4m Ratchet Webbing Tie Down Assembly with S Hook each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD25SK0.8T4	25	4	400	S Hook	403025041

28mm/750kg x 6m Ratchet Webbing Tie Down Assembly with Hook & Keeper each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD28HK1.5T6	28	6	750	Hook & Keeper	403028062

35mm/500kg x 6m Ratchet Webbing Tie Down Assembly with S Hook each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD35SK1T6	35	6	500	S Hook	403035063

35mm/1000kg x 6m Ratchet Webbing Tie Down Assembly with Hook & Keeper each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD35HK2T6	35	6	1000	Hook & Keeper	403035064

# RATCHET TIE DOWN ASSEMBLY AS/NZS 4380

35mm/15000kg x 6m Ratchet Webbing Tie Down Assembly with Hook & Keeper each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD35HK3T6	35	6	1500	Hook & Keeper	403035065

50mm/2000kg/2500kg x 9m Ratchet Webbing Tie Down Assembly with Hook & Keeper each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD50HK5T9	50	9	2500	Hook & Keeper	403050091
RTD50HK4T9	50	9	2000	Hook & Keeper	403050092

75mm/5000kg x 9m Ratchet Webbing Tie Down Assembly with Hook & Keeper each end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
RTD75HK10T9	75	9	5000	Hook & Keeper	403075093

50mm/2000kg/2500kg x 9m Truck Winch Replacement Strap with Hook & Keeper one end



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
WRS505T9	50	9	2500	Hook & Keeper	403050094
WRS504T9	50	9	2000	Hook & Keeper	403050095

Clip on Truck Winch with Reinforced Legs c/w 50mm/2500kg x 9m Webbing Strap with Hook & Keeper



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
CTW50HK5T9	50	9	2500	Hook & Keeper	403050096

Slide on Truck Winch c/w 50mm/2500kg x 9m Webbing Strap with Hook & Keeper



Item No.	Strap Width(mm)	Strap Length(m)	Lashing Capacity (kg)	End Fitting	Product Code
STW50HK5T9	50	9	2500	Hook & Keeper	403050097

# TOW STRAP

- This durable and heavy duty polyester tow strap is ideal for all your pulling, recovery and towing needs.
- It is perfect for towing most vehicles, and it is much lighter than chain and rope products, Tow straps are compact, lightweight, waterproof and very easy to use. They have a bit of stretch, so there is low risk of damage to the vehicles.

## TOW STRAP TSA TYPE

Item No.	Strap Width (mm)	Length (m)	End Fitting	MBS (kg)	Product Code
TSHH1-3	50	4, 6, 8, 10	Eye Hook	3000	404005001
TSHH1-5	50	4, 6, 8, 10	Eye Hook	5000	404005002
TSHE1-3	50	4, 6, 8, 10	Eye Hook & Eye	3000	404005003
TSHE1-5	50	4, 6, 8, 10	Eye Hook & Eye	5000	404005004
TSSS1-3	50	4, 6, 8, 10	Shackle	3000	404005005
TSSS1-5	50	4, 6, 8, 10	Shackle	5000	404005006
TSEE1-1	50	4, 6, 8, 10	Flat Eye	7000	404005007
TSEE1-2	60	4, 6, 8, 10	Flat Eye	14000	404006008
TSEE1-3	90	4, 6, 8, 10	Flat Eye	21000	404009009
TSEE1-4	120	4, 6, 8, 10	Flat Eye	28000	404012010
TSEE1-5	150	4, 6, 8, 10	Flat Eye	35000	404015011



TSHH1



TSHE1



TSSS1



TSEE

## TOW STRAP TSB TYPE

Item No.	Strap Width (inch)	Length (feet)	End Fitting	MBS (lbs)	Product Code
TSHH2-1	2	15, 20, 25, 30	Eye Hook	10000	404102001
TSHH3-1	2	15, 20, 25, 30	Eye Hook	10000	404102002
TSEE2-1	2	15, 20, 25, 30	Flat Eye/Twisted Eye	10000	404102003
TSEE2-2	2	15, 20, 25, 30	Flat Eye/Twisted Eye	31000	404102004
TSEE3-1	3	15, 20, 25, 30	Flat Eye/Twisted Eye	15000	404103005
TSEE3-2	3	15, 20, 25, 30	Flat Eye/Twisted Eye	44000	404103006
TSEE4-1	4	15, 20, 25, 30	Flat Eye/Twisted Eye	15000	404104007
TSEE4-2	4	15, 20, 25, 30	Flat Eye/Twisted Eye	16200	404104008
TSEE4-3	4	15, 20, 25, 30	Flat Eye/Twisted Eye	55000	404104009

### REMOVAL CRITERIA

Tow strap shall be removed from service if any the following forms are visible:

- Holes, tears, cuts, snags or embedded particles in the webbing.
- Broken or worn stitches in load bearing splice.
- Excessive abrasive wear or crushed webbing.
- Knots in any part of the webbing.
- Distortion, excessive pitting, corrosion or damage of any fitting or component.
- Melting, charring or weld spatter on any part of the webbing.
- Acid or alkali burns.
- Any condition which causes doubt as to the strength of the tow strap.



TSHH2



TSHH3

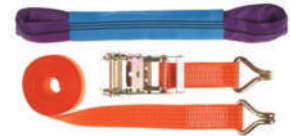


TSEE2

# CARFIX LASHING STRAP

## Lashing strap for car transportation, three-part, with eye & eye roundsling

Item No.	Width (mm)	L <sub>G</sub> =3.3m		Connecting Belt Width/Length	Lashing Capacity (daN)	Fitting	Product Code
		L <sub>GF</sub> (m)	L <sub>GL</sub> (m)				
CLS3520-1	35	0.3	3.0	35mm/0.4m	1000	Double J / Single J / Swivel J	405035100
CLS3530-1	35	0.3	3.0	35mm/0.4m	1500	Double J / Single J / Swivel J	405035150
CLS5030-1	50	0.3	3.0	50mm/0.3m	1500	Double J / Single J / Swivel J	405050150
CLS5040-1	50	0.3	3.0	50mm/0.3m	2000	Double J / Single J / Swivel J	405050200
CLS5050-1	50	0.3	3.0	50mm/0.3m	2500	Double J / Single J / Swivel J	405050250



## Lashing strap for car transportation, three-part, with eye & eye flat connecting belt

Item No.	Width (mm)	L <sub>G</sub> =3.3m		Connecting Belt Width/Length	Lashing Capacity (daN)	Fitting	Product Code
		L <sub>GF</sub> (m)	L <sub>GL</sub> (m)				
CLS3520-2	35	0.3	3.0	35mm/0.4m	1000	Double J / Single J / Swivel J	405135100
CLS3530-2	35	0.3	3.0	35mm/0.4m	1500	Double J / Single J / Swivel J	405135150
CLS5030-2	50	0.3	3.0	50mm/0.3m	1500	Double J / Single J / Swivel J	405150150
CLS5040-2	50	0.3	3.0	50mm/0.3m	2000	Double J / Single J / Swivel J	405150200
CLS5050-2	50	0.3	3.0	50mm/0.3m	2500	Double J / Single J / Swivel J	405150250



## Lashing strap for car transportation, three-part, with D ring belt

Item No.	Width (mm)	L <sub>G</sub> =3.3m		Connecting Belt Width/Length	Lashing Capacity (daN)	Fitting	Product Code
		L <sub>GF</sub> (m)	L <sub>GL</sub> (m)				
CLS3520-3	35	no belt	3.2	35mm/0.4m	1000	Double J / Single J / Swivel J	405235100
CLS3530-3	35	no belt	3.2	35mm/0.4m	1500	Double J / Single J / Swivel J	405235150
CLS5030-3	50	no belt	3.2	50mm/0.3m	1500	Double J / Single J / Swivel J	405250150
CLS5040-3	50	no belt	3.2	50mm/0.3m	2000	Double J / Single J / Swivel J	405250200
CLS5050-3	50	no belt	3.2	50mm/0.3m	2500	Double J / Single J / Swivel J	405250250



## Lashing strap for car transportation, two-part, with green-tube-grip

Item No.	Width (mm)	L <sub>G</sub> =2.5m		Lashing Capacity (daN)	Fitting	Product Code
		L <sub>GF</sub> (m)	L <sub>GL</sub> (m)			
CLS3520-4	35	0.3	2.2	1000	Single J/Swivel J	405335100
CLS3530-4	35	0.3	2.2	1500	Single J/Swivel J	405335150
CLS5040-4	50	0.3	2.2	2000	Single J/Swivel J	405350200
CLS5050-4	50	0.3	2.2	2500	Single J/Swivel J	405350250



## Lashing strap for car transportation, two-part, with 3 black-plastic-block

Item No.	Width (mm)	L <sub>G</sub> =2.5m		Lashing Capacity (daN)	Fitting	Product Code
		L <sub>GF</sub> (m)	L <sub>GL</sub> (m)			
CLS3520-5	35	0.3	2.2	1000	Single J / Swivel J	405435100
CLS3530-5	35	0.3	2.2	1500	Single J / Swivel J	405435150
CLS5040-5	50	0.3	2.2	2000	Single J / Swivel J	405450200
CLS5050-5	50	0.3	2.2	2500	Single J / Swivel J	405450250



# CORNER PROTECTOR

Corner protectors are used in conjunction with ratchet straps or textile slings to protect the edges of loads from banding damage and also to protect the strapping from sharp edges and abrasion.



### PCP050

Material: PE  
Size: 90x90x135(83°)  
For 50mm Webbing  
Product Code: 406000001



### PCP051

Material: PE  
Size: 90x90x135(82°)  
For 50mm Webbing  
Product Code: 406000002



### PCP100

Material: PE  
Size: 90x90x133(83°)  
For 50~100mm Webbing  
Product Code: 406000003



### PCP101

Material: PE  
Size: 90x90x127(73°)  
For 50~100mm Webbing  
Product Code: 406000004



### PCP102

Material: PE  
Size: 90x90x136(83°)  
For 50~100mm Webbing  
Product Code: 406000005



### PCP053

Material: PE  
Size: 130x180x146(90°)  
For 50mm Webbing  
Product Code: 406000006



### PCP054

Material: PE  
Size: 60x172x146(90°)  
For 50mm Webbing  
Product Code: 406000007



### PCP055

Material: PE  
Size: 135x180x145(90°)  
For 50mm Webbing  
Product Code: 406000008



### PCP056

Material: PE  
Size: 125x165x140(90°)  
For 50mm Webbing  
Product Code: 406000009



### PCP052

Material: PE  
Size: 135x180x150(90°)  
For 50mm Webbing  
Product Code: 406000010



### PCP057

Material: PE  
Size: 150x195x150(90°)  
For 50mm Webbing  
Product Code: 406000011



### PCP058

Material: PE  
Size: 40x40x60(90°)  
For 19mm Webbing  
Product Code: 406000012



# CORNER PROTECTOR



## PCP1

Material: HDPE  
Size: 19x190x190(90°)  
Suitable For All Webbing  
Product Code: 406000013



## PCP2

Material: HDPE  
Size: 17x170x170(90°)  
Suitable For All Webbing  
Product Code: 406000014



## PCP3

Material: HDPE  
Size: 15x115x115(90°)  
Suitable For All Webbing  
Product Code: 406000015



## PCP4

Material: HDPE  
Size: 4x125x160(90°)  
Suitable For All Webbing  
Product Code: 406000016



## PCP103

Material: PE  
Size: 85x85x296(83°)  
For 50~100mm Webbing  
Product Code: 406000017



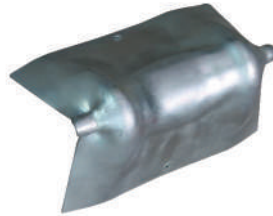
## PCP104

Material: PP  
Size: 110x110x270(83°)  
For 50~100mm Webbing  
Product Code: 406000018



## PCP105

Material: PE  
Size: 85x85x296(83°)  
For 50~100mm Webbing  
Product Code: 406000019



## SCP100

Material: Steel  
Size: 110x110x152(90°)  
For 50~100mm Webbing  
Product Code: 406000020



## SCP050

Material: Steel  
Size: 2x76x88.5(84°)  
For 50mm Webbing  
Product Code: 406000021



## PS006

Material: PU  
Size: 4x80x125  
For 50mm Webbing  
Product Code: 406000022



## PCR24

Material: PP  
Size: 24"x8"x8"  
Product Code: 406000023



## PCR12

Material: PP  
Size: 12"x8"x8"  
Product Code: 406000024

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments

# ONE WAY LASHING SYSTEM

- One way lashing systems are suitable for cargo securing, bundling or coupling.
- Used in different industrial fields and in ports for tying down goods inside containers.
- Safe and easy to use.
- Woven structure of the webbing guarantees durability and a tight load.
- One way strap is easy to dispose of after use.

## ONE WAY LASHING WEBBING

Item No.	Width(mm)	Linear Breaking Strength(daN)	Length per Bag(m)	Product Code
OWL252250	25	2250	250	407025001
OWL322000	32	2000	250	407032002
OWL322300	32	2300	250	407032003
OWL383500	38	3500	200	407038004
OWL405000	40	5000	200	407040005
OWL502300	50	2300	300	407050006
OWL505000	50	5000	200	407050007
OWL506000	50	6000	150	407050008
OWL507500	50	7500	150	407050009



## ONE WAY BUCKLES



### OWB5050

50mm One Way Buckle  
BS:5,000KG/11,000LBS



### OWB4040

40mm One Way Buckle  
BS:4,000KG/8,800LBS



### OWB3030

30mm One Way Buckle  
BS:3,000KG/6,600LBS



### OWB5050W

50mm One Way Buckle  
BS:5,000KG/11,000LBS



### OWB4050W

40mm One Way Buckle  
BS:5,000KG/11,000LBS



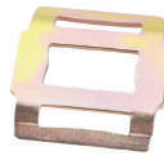
### OWB3015W

30mm One Way Buckle  
BS:1,500KG/3,300LBS



### OWB5050WM

50mm One Way Buckle  
BS:5,000KG/11,000LBS



### OWB5025

50mm One Way Buckle  
BS:2,500kg/5,500LBS



### OWB5015

50mm One Way Buckle  
BS:1,500kg/3,300LBS



### OWB3015W-1

34mm One Way Buckle  
BS:1,500KG/3,300LBS

## EXTRA GRIP WIRE BUCKLES

Item No.	Width(mm)	Qty / box(pcs)	MBS(kg)	Surface Finish	Product Code
WB130600	13	1000	600	Galvanized	407213001
WB160850	16	1000	850	Galvanized	407216002
WB191000	19	1000	1000	Galvanized	407219003
WB251500	25	500	1500	Galvanized	407225004
WB323000	32	250	3000	Galvanized	407232005



# ONE WAY LASHING SYSTEM

## WOVEN POLYESTER STRAPPING

- Made from 100% high tensile polyester yarns.
- Safe as well as easy to use & dispose of after use.
- As strong as steel but weight is lighter and more cost effective than steel straps
- Resistant to high temperatures, ultraviolet rays and moisture.
- It can be customized with your company name, logo or text.
- Webbing color is white & other colors are also available.



Item No.	Width(mm)	Linear Breaking Strength(daN)	Length per Coil(m)	Coils per Box	Product Code
WPS160450	16	450	850	2	407316001
WPS160600	16	600	600	2	407316002
WPS190580	19	580	600	2	407319003
WPS190750	19	750	500	2	407319004
WPS191100	19	1100	400	2	407319005
WPS251000	25	1000	500	2	407325006
WPS321600	32	1600	300	2	407332007



## STRAP TENSIONERS

This heavy-duty, high-quality polyester strapping tool grips, tensions and cuts easily and efficiently, working effectively in both horizontal or vertical orientations on flat surfaces, ensuring neatly and cleanly tensioned strapping for improved appearance and less damage.

### HAND-OPERATED STRAP TENSIONER

Item No.	Strap Width(mm)	Strap Thickness(mm)	Weight(kg)	Product Code
HST19	6-19	0.4-1.0	1.2	407400019
HST25	19-25	0.6-1.2	1.3	407400025
HST32	25-32	0.6-1.2	1.9	407400032
HST40	32-40	0.6-1.2	2	407400040
HST50	32-50	0.6-1.5	2.2	407400050



### PNEUMATIC STRAP TENSIONER

Item No.	Strap Width	Strap Thickness	Tension Force	Average Air Pressure	Tension Speed	Weight	Product Code
PST40	25-32-40mm	0.8-1.6mm	4500-6500N	0.6-0.8Mpa	70-80mm/s	1.2kg	407500040

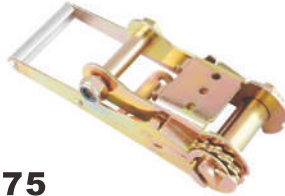
# TENSIONING DEVICE AND END FITTING

## RATCHET BUCKLE



### RB100

A=104,B=57,C=300  
BS:10,000KG/22,000LBS  
Product Code: 408010010



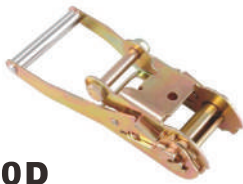
### RB75

A=78,B=57,C=300  
BS:10,000KG/22,000LBS  
Product Code: 408007510



### RB50C

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005001



### RB50D

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005002



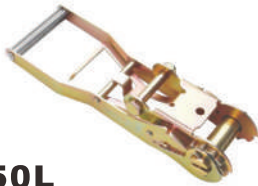
### RB50E

A=52,B=57,C=300  
BS:5,000KG/11,000LBS  
Product Code: 408005003



### RB50N

A=52,B=63,C=400  
BS:5,000KG/11,000LBS  
Product Code: 408005004



### RB50L

A=52,B=57,C=300  
BS:5,000KG/11,000LBS  
Product Code: 408005005



### RB50K

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005006



### RB50J

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005007



### RB50H

A=52,B=57,C=250  
BS:5,000KG/11,000LBS  
Product Code: 408005008



### RB50B

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005009



### RB50S

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005010



### RB50P

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005011



### RB50F

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005012



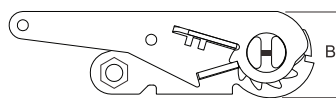
### RB50R

A=52,B=57,C=197  
BS:5,000KG/11,000LBS  
Product Code: 408005013

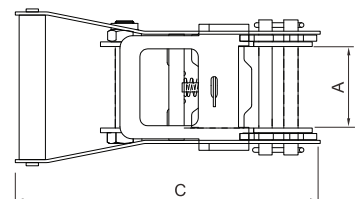


### RB50G

A=52,B=57,C=230  
BS:5,000KG/11,000LBS  
Product Code: 408005014



A: Band Width (mm)  
B: Thickness (mm)  
C: Arm Length (mm)



Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments



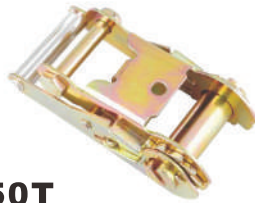
# TENSIONING DEVICE AND END FITTING

## RATCHET BUCKLE



### RB50Y

A=52,B=57,C=250  
BS:5,000KG/11,000LBS  
Product Code: 408005015



### RB50T

A=52,B=57,C=170  
BS:5,000KG/11,000LBS  
Product Code: 408005016



### RB50M

A=52,B=57,C=197  
BS:5,000KG/11,000LBS  
Product Code: 408005017



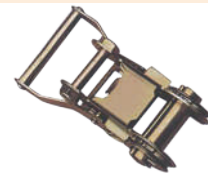
### RB50Q

A=52,B=67,C=210  
BS:6,000KG/13,000LBS  
Product Code: 408005018



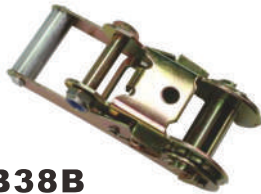
### RB50X

A=52,B=40,C=133  
BS:2,000KG/4,400LBS  
Product Code: 408005019



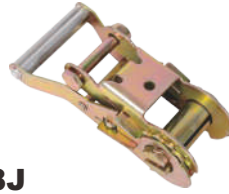
### RB38A

A=39,B=49,C=165  
BS:3,000KG/6,600LBS  
Product Code: 408003801



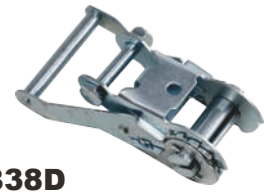
### RB38B

A=38,B=49,C=150  
BS:3,000KG/6,600LBS  
Product Code: 408003802



### RB38J

A=38,B=40,C=155  
BS:3,000KG/6,600LBS  
Product Code: 408003803



### RB38D

A=38,B=40,C=150  
BS:3,000KG/6,600LBS  
Product Code: 408003804



### RB38W

A=38,B=49,C=155  
BS:3,000KG/6,600LBS  
Product Code: 408003805



### RB38E

A=38,B=45,C=160  
BS:2,500KG/5,000LBS  
Product Code: 408003806



### RB38F

A=38,B=45,C=160  
BS:2,500KG/5,000LBS  
Product Code: 408003807



### RB38C

A=38,B=40,C=135  
BS:2,000KG/4,400LBS  
Product Code: 408003808



### RB38D

A=38,B=40,C=155  
BS:2,000KG/4,400LBS  
Product Code: 408003809



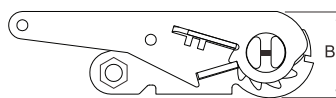
### RB34A

A=34,B=45,C=155  
BS:1,500KG/3,300LBS  
Product Code: 408003810

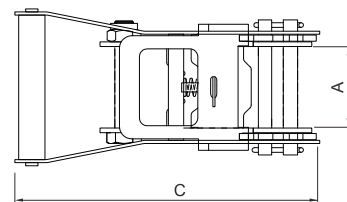


### RB38G

A=38,B=40,C=140  
BS:2,000KG/4,400LBS  
Product Code: 408003811



A: Band Width (mm)  
B: Thickness (mm)  
C: Arm Length (mm)





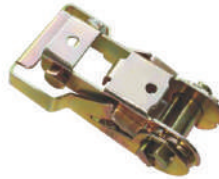
# TENSIONING DEVICE AND END FITTING

## RATCHET BUCKLE



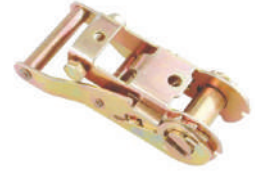
**RB38H**

A=38,B=40,C=155  
BS:2,000KG/4,400LBS  
Product Code: 408003812



**RB28L**

A=28,B=45,C=126  
BS:1,500KG/3,300LBS  
Product Code: 408002801



**RB28W**

A=28,B=45,C=120  
BS:1,500KG/3,300LBS  
Product Code: 408002802



**RB28B**

A=28,B=45,C=126  
BS:1,500KG/3,300LBS  
Product Code: 408002803



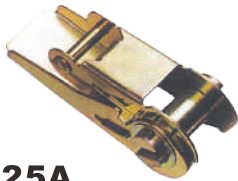
**RB28H**

A=28,B=45,C=130  
BS:1,500KG/3,300LBS  
Product Code: 408002804



**RB28Y**

A=28,B=45,C=126  
BS:1,500KG/3,300LBS  
Product Code: 408002805



**RB25A**

A=25,B=40,C=115  
BS:800KG/1,760LBS  
Product Code: 408002501



**RB25B**

A=26,B=40,C=115  
BS:800KG/1,760LBS  
Product Code: 408002502



**RB25F**

A=26,B=40,C=115  
BS:1,000KG/2,200LBS  
Product Code: 408002503



**RB25C**

A=26,B=40,C=115  
BS:800KG/1,760LBS  
Product Code: 408002504



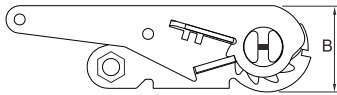
**RB25D**

A=26,B=40,C=115  
BS:800KG/1,760LBS  
Product Code: 408002505

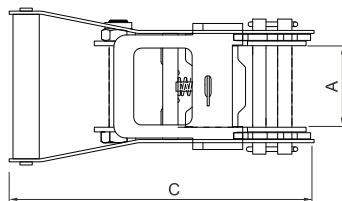


**RB25E**

A=26,B=40,C=115  
BS:800KG/1,760LBS  
Product Code: 408002506



A: Band Width (mm)  
B: Thickness (mm)  
C: Arm Length (mm)



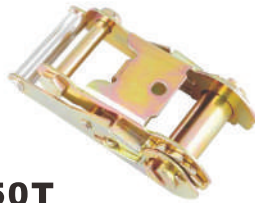
# TENSIONING DEVICE AND END FITTING

## RATCHET BUCKLE



### RB50Y

A=52,B=57,C=250  
BS:5,000KG/11,000LBS  
Product Code: 408005015



### RB50T

A=52,B=57,C=170  
BS:5,000KG/11,000LBS  
Product Code: 408005016



### RB50M

A=52,B=57,C=197  
BS:5,000KG/11,000LBS  
Product Code: 408005017



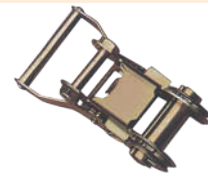
### RB50Q

A=52,B=67,C=210  
BS:6,000KG/13,000LBS  
Product Code: 408005018



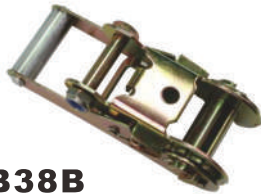
### RB50X

A=52,B=40,C=133  
BS:2,000KG/4,400LBS  
Product Code: 408005019



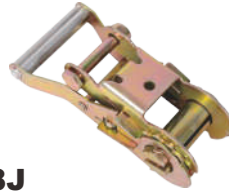
### RB38A

A=39,B=49,C=165  
BS:3,000KG/6,600LBS  
Product Code: 408003801



### RB38B

A=38,B=49,C=150  
BS:3,000KG/6,600LBS  
Product Code: 408003802



### RB38J

A=38,B=40,C=155  
BS:3,000KG/6,600LBS  
Product Code: 408003803



### RB38D

A=38,B=40,C=150  
BS:3,000KG/6,600LBS  
Product Code: 408003804



### RB38W

A=38,B=49,C=155  
BS:3,000KG/6,600LBS  
Product Code: 408003805



### RB38E

A=38,B=45,C=160  
BS:2,500KG/5,000LBS  
Product Code: 408003806



### RB38F

A=38,B=45,C=160  
BS:2,500KG/5,000LBS  
Product Code: 408003807



### RB38C

A=38,B=40,C=135  
BS:2,000KG/4,400LBS  
Product Code: 408003808



### RB38D

A=38,B=40,C=155  
BS:2,000KG/4,400LBS  
Product Code: 408003809



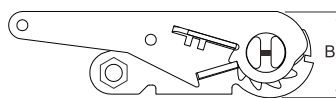
### RB34A

A=34,B=45,C=155  
BS:1,500KG/3,300LBS  
Product Code: 408003810

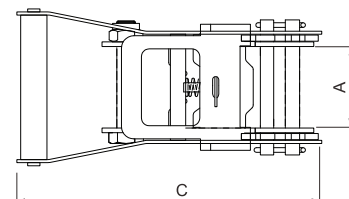


### RB38G

A=38,B=40,C=140  
BS:2,000KG/4,400LBS  
Product Code: 408003811

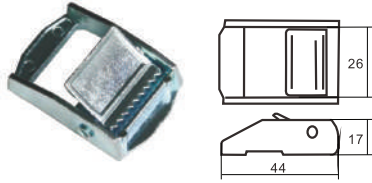


A: Band Width (mm)  
B: Thickness (mm)  
C: Arm Length (mm)



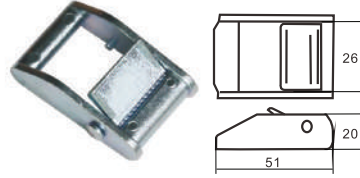
# TENSIONING DEVICE AND END FITTING

## CAM BUCKLE



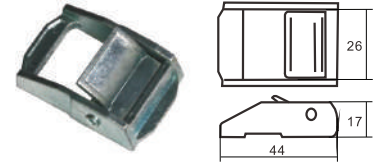
### CB2501

1" Cam Buckle  
BS:250KG/550LBS  
Product Code: 408125001



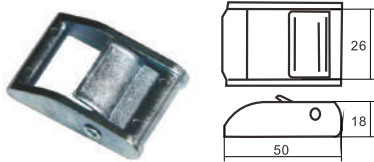
### CB2502

1" Cam Buckle  
BS:400KG/880LBS  
Product Code: 408125002



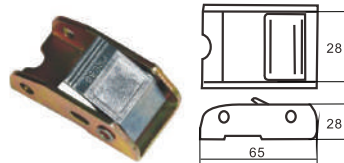
### CB2503

1" Cam Buckle  
BS:450KG/990LBS  
Product Code: 408125003



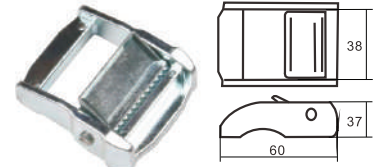
### CB2504

1" Cam Buckle  
BS:500KG/1,100LBS  
Product Code: 408125004



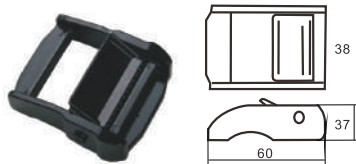
### CB2505

1" Cam Buckle  
BS:600KG/1,320LBS  
Product Code: 408125005



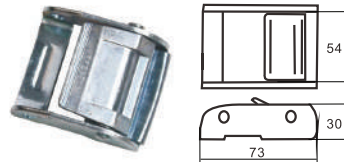
### CB3801

1-1/2" Cam Buckle  
BS:900KG/1,980LBS  
Product Code: 408138001



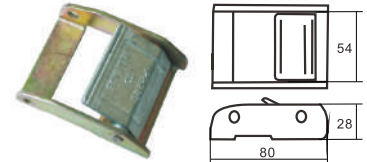
### CB3802

1-1/2" Cam Buckle, Black  
BS:900KG/1,980LBS  
Product Code: 408138002



### CB5001

2" Cam Buckle  
BS:1500KG/3,300LBS  
Product Code: 408150001



### CB5002

2" Cam Buckle  
BS:850KG/1,870LBS  
Product Code: 408150002

## PADDLE BUCKLE



### PB2720

1" Paddle Buckle  
BS:2,000KG/4,400LBS  
Product Code: 408127001

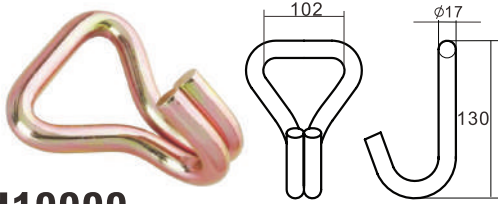


### PB2715

1" Paddle Buckle  
BS:1,500KG/3,300LBS  
Product Code: 408127002

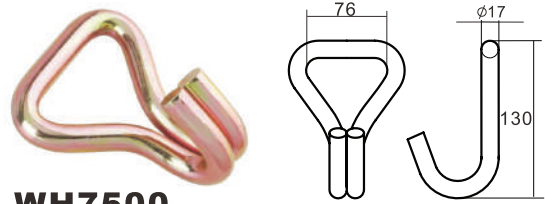
# TENSIONING DEVICE AND END FITTING

## HOOK



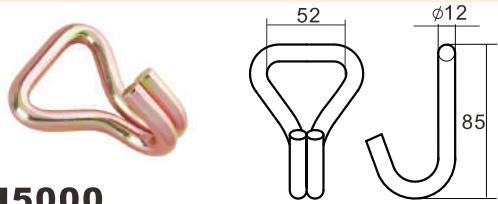
### WH10000

4" Double J Hook  
BS:10,000KG/22,000LBS  
Product Code: 408210001



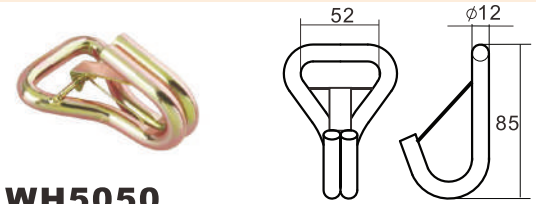
### WH7500

3" Double J Hook  
BS:10,000KG/22,000LBS  
Product Code: 408207502



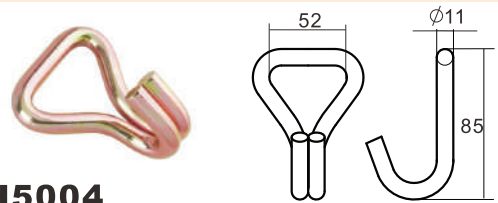
### WH5000

2" Double J Hook  
BS:5,000KG/11,000LBS  
Product Code: 408205003



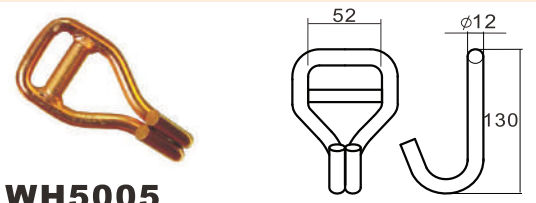
### WH5050

2" Double J Hook  
BS:5,000KG/11,000LBS  
Product Code: 408205004



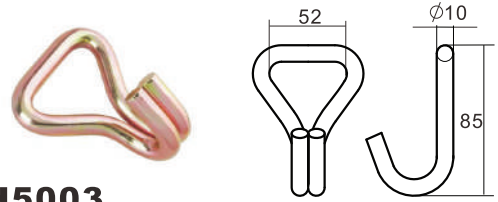
### WH5004

2" Double J Hook  
BS:4,000KG/8,800LBS  
Product Code: 408205005



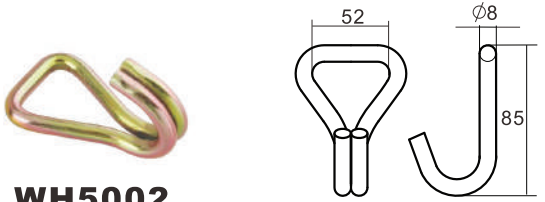
### WH5005

2" Double J Hook  
BS:5,000KG/11,000LBS  
Product Code: 408205006



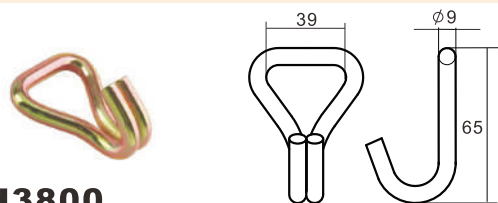
### WH5003

2" Double J Hook  
BS:3,000KG/6,600LBS  
Product Code: 408205007



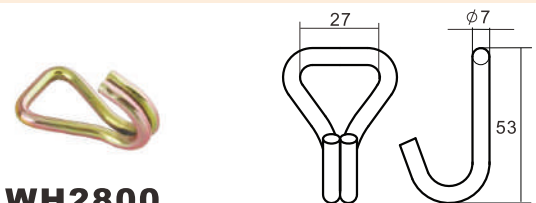
### WH5002

2" Double J Hook  
BS:2,000KG/4,400LBS  
Product Code: 408205008



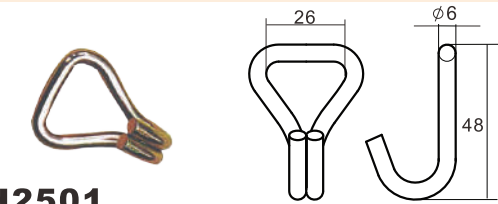
### WH3800

1-1/2" Double J Hook  
BS:3,000KG/6,600LBS  
Product Code: 408203809



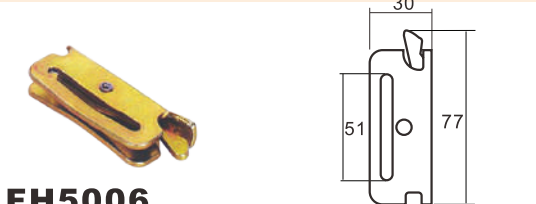
### WH2800

1" Double J Hook  
BS:1,500KG/3,300LBS  
Product Code: 408202810



### WH2501

1" Double J Hook  
BS:800KG/1,760LBS  
Product Code: 408202511



### FH5006

2" E Track Fitting  
BS:2,000KG/4,400LBS  
Product Code: 408205012

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

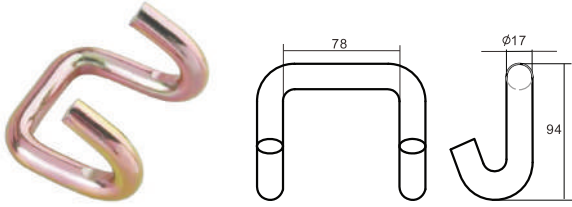
Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments



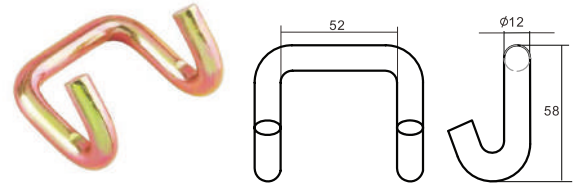
# TENSIONING DEVICE AND END FITTING

## HOOK



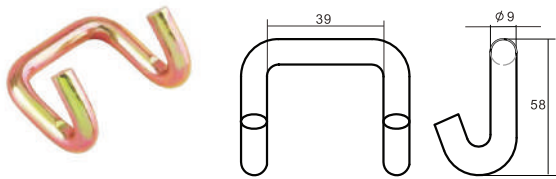
### WH7510

3" Claw Hook  
BS: 10,000KG/22,000LBS  
Product Code: 408207513



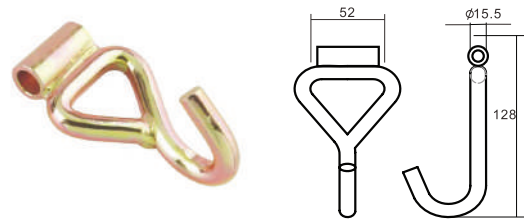
### WH5010

2" Claw Hook  
BS: 5,000KG/11,000LBS  
Product Code: 408205014



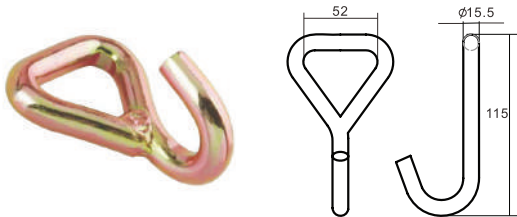
### WH3810

1-1/2" Claw Hook  
BS: 3,000KG/6,600LBS  
Product Code: 408203815



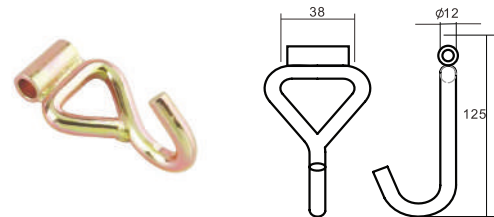
### WHT5001

2" J Hook With Welded Tube  
BS: 5,000KG/11,000LBS  
Product Code: 408205016



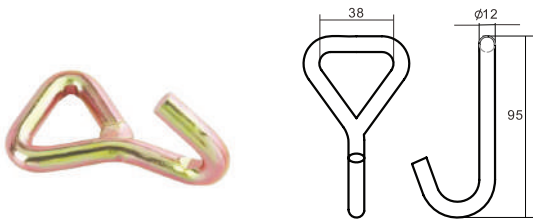
### WH5000-1

2" Single J Hook  
BS: 5,000KG/11,000LBS  
Product Code: 408205017



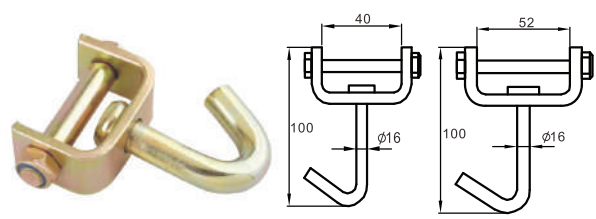
### WHT3801

1-1/2" J Hook With Welded Tube  
BS: 3,000KG/6,600LBS  
Product Code: 408203818



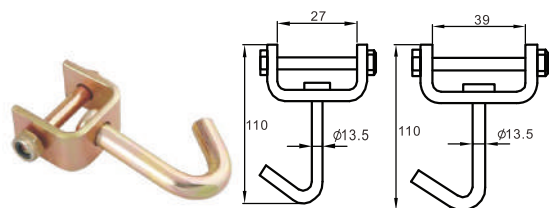
### WH3801-1

1-1/2" Single J Hook  
BS: 3,000KG/6,600LBS  
Product Code: 408203819



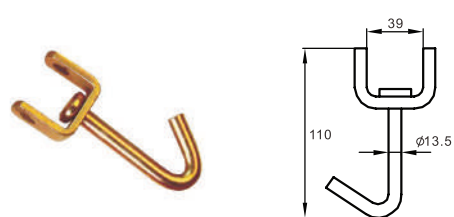
### SJ50

2" Swivel J Hook With Screw  
BS: 5,000KG/11,000LBS  
Product Code: 408205020



### SJ40

1-1/2" Swivel J Hook With Screw  
BS: 3,000KG/6,600LBS  
Product Code: 408205021

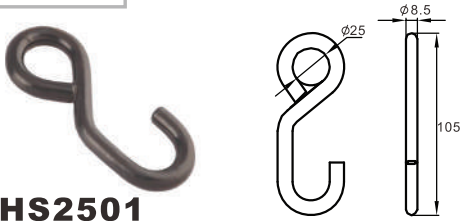


### SJ30

1-1/2" Swivel J Hook  
BS: 3,000KG/6,600LBS  
Product Code: 408203822

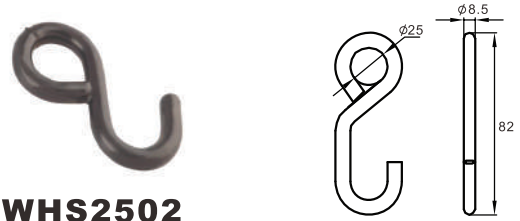
# TENSIONING DEVICE AND END FITTING

## HOOK



**WHS2501**

1" S Hook  
BS:800KG/1,760LBS  
Product Code: 408202523



**WHS2502**

1" S Hook  
BS:800KG/1,760LBS  
Product Code: 408202524



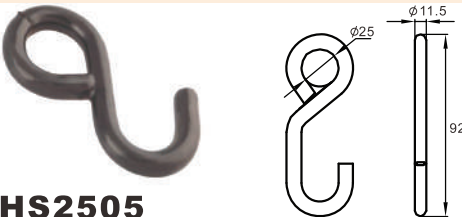
**WHS2503**

1" S Hook  
BS:800KG/1,760LBS  
Product Code: 408202525



**WHS2504**

1" S Hook  
BS:1,500KG/3,300LBS  
Product Code: 408202526



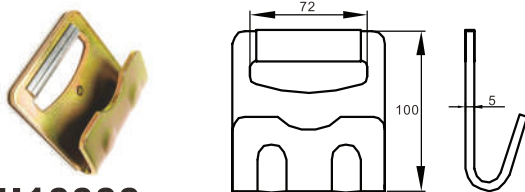
**WHS2505**

1" S Hook  
BS:1,500KG/3,300LBS  
Product Code: 408202527



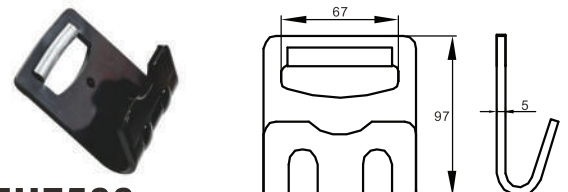
**WHS2506**

1" S Hook  
BS:1,500KG/3,300LBS  
Product Code: 408202528



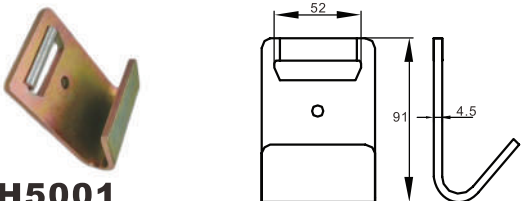
**FH10000**

4" Flat Hook  
BS:8,000KG/17,600LBS  
Product Code: 408210029



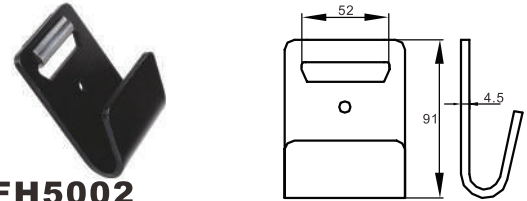
**FH7500**

3" Flat Hook  
BS:8,000KG/17,600LBS  
Product Code: 408207530



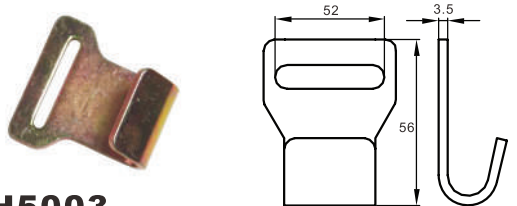
**FH5001**

2" Flat Hook  
BS:4,535KG/10,000LBS  
Product Code: 408205031



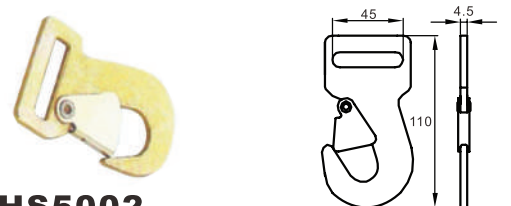
**FH5002**

2" Flat Hook  
BS:4,535KG/10,000LBS  
Product Code: 408205032



**FH5003**

2" Flat Hook  
BS:3,000KG/6,600LBS  
Product Code: 408205033

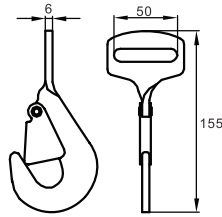


**FHS5002**

2" Flat Snap Hook  
BS:2,500KG/5,500LBS  
Product Code: 408205034

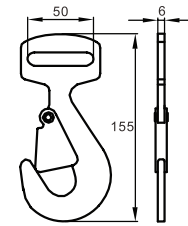
# TENSIONING DEVICE AND END FITTING

## HOOK



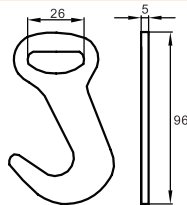
### FHT5000

2" Twist Snap Hook  
BS:5,000KG/11,000LBS  
Product Code: 408205035



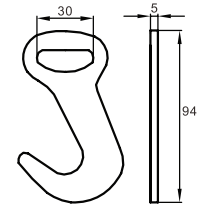
### FHS5001

2" Flat Snap Hook  
BS:5000KG/11,000LBS  
Product Code: 408205036



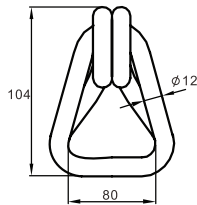
### FHS2515

1" Car lashing Hook  
BS:1,500KG/3,300LBS  
Product Code: 408202537



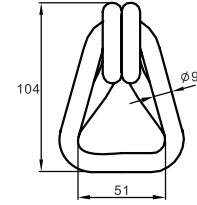
### FHS2520

1" Car lashing Hook  
BS:2,000KG/4,400LBS  
Product Code: 408202538



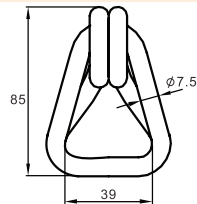
### WH7540

3" Hook & Keeper  
BS:10,000KG/22,000LBS  
Product Code: 408207539



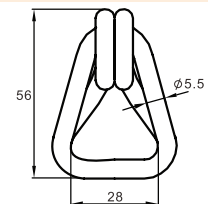
### WH5040

2" Hook & Keeper  
BS:5,000KG/11,000LBS  
Product Code: 408205040



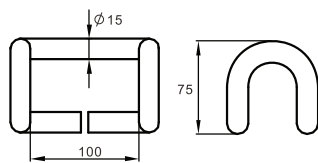
### WH3840

1-1/2" Hook & Keeper  
BS:3,000KG/6,600LBS  
Product Code: 408203841



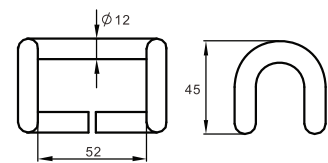
### WH2840

1" Hook & Keeper  
BS:1,500KG/3,300LBS  
Product Code: 408202842



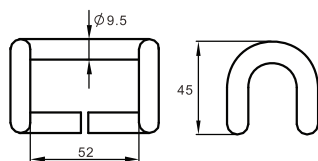
### RH10010

4" Rave Hook  
BS:10,000KG/22,000LBS  
Product Code: 408210043



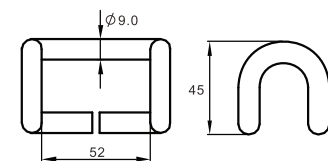
### RH5050

2" Rave Hook  
BS:5,000KG/11,000LBS  
Product Code: 408205044



### RH5030

2" Rave Hook  
BS:3,000KG/6,600LBS  
Product Code: 408205045

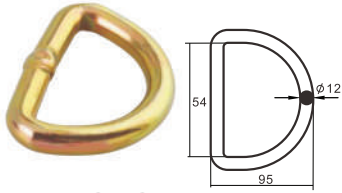


### RH5020

2" Rave Hook  
BS:2,000KG/4,400LBS  
Product Code: 408205046

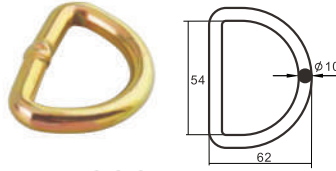
# TENSIONING DEVICE AND END FITTING

## RINGS & ONE WAY BUCKLE



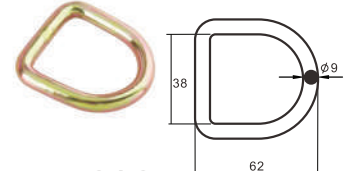
**DR5050**

2" D Ring  
BS:5,000KG/11,000LBS  
Product Code: 408305001



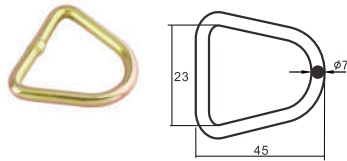
**DR5030**

2" D Ring  
BS:3,000KG/6,600LBS  
Product Code: 408305002



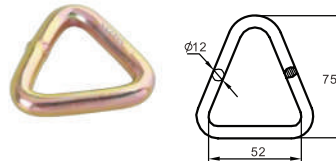
**DR5020**

1.5" D Ring  
BS:1,500KG/3,300LBS  
Product Code: 408305003



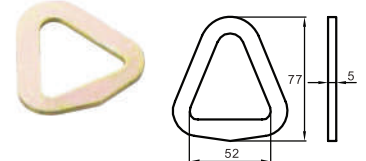
**DR5015**

1" D Ring  
BS:750KG/1,650LBS  
Product Code: 408305004



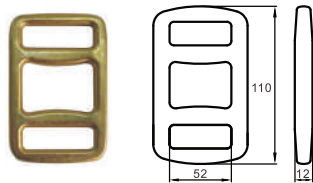
**DR5000**

2" Delta Ring  
BS:5,000KG/11,000LBS  
Product Code: 408305005



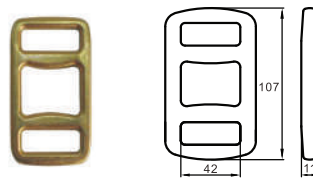
**DR5001**

2" Delta Ring  
BS:5,000KG/11,000LBS  
Product Code: 408305006



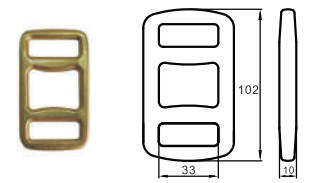
**OWB5050**

50mm One Way Buckle  
BS:5,000KG/11,000LBS  
Product Code: 408305007



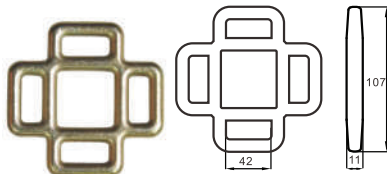
**OWB4040**

40mm One Way Buckle  
BS:4,000KG/8,800LBS  
Product Code: 408304008



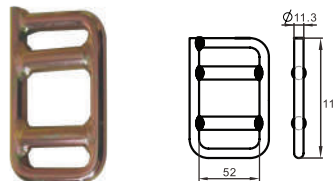
**OWB3030**

30mm One Way Buckle  
BS:3,000KG/6,600LBS  
Product Code: 408303009



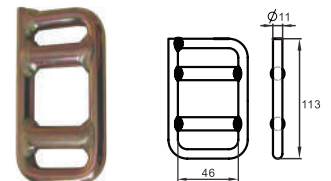
**OWB4040-1**

40mm One Way Buckle  
BS:4,000KG/8,800LBS  
Product Code: 408304010



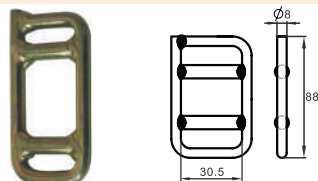
**OWB5050W**

50mm One Way Buckle  
BS:5,000KG/11,000LBS  
Product Code: 408305011



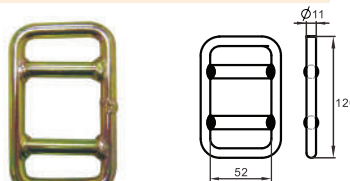
**OWB4050W**

40mm One Way Buckle  
BS:5,000KG/11,000LBS  
Product Code: 408304012



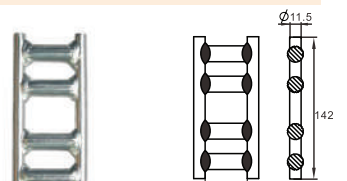
**OWB3015W**

30mm One Way Buckle  
BS:1,500KG/3,300LBS  
Product Code: 408303013



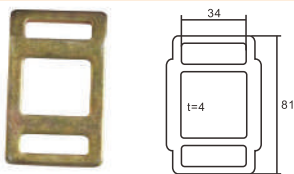
**OWB5050WM**

50mm One Way Buckle  
BS:5,000KG/11,000LBS  
Product Code: 408305014



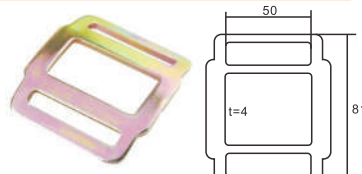
**OWB5050WS**

42mm One Way Buckle  
BS:5,000KG/11,000LBS  
Product Code: 408305015



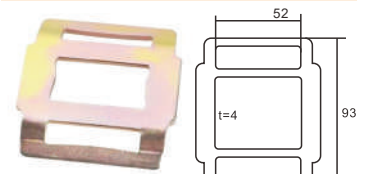
**OWB3015W-1**

34mm One Way Buckle  
BS:1,500KG/3,300LBS  
Product Code: 408303016



**OWB5015**

50mm One Way Buckle  
BS:1,500kg/3,300LBS  
Product Code: 408305017



**OWB5025**

50mm One Way Buckle  
BS:2,500kg/5,500LBS  
Product Code: 408305018



# TENSIONING DEVICE AND END FITTING

## STAINLESS STEEL BUCKLE



### RBS50C

A=54, B=60, C=230  
BS: 3,000KG/6,600LBS  
Product Code: 408405001



### RBS50M

A=54, B=60, C=192  
BS: 3,000KG/6,600LBS  
Product Code: 408405002



### RBS50T

A=54, B=60, C=166  
BS: 3,000KG/6,600LBS  
Product Code: 408405003



### RBS50X

A=52, B=43, C=128  
BS: 2,000KG/4,400LBS  
Product Code: 408405004



### RBS38A

A=41, B=60, C=166  
BS: 2,500KG/5,500LBS  
Product Code: 408403805



### RBS38B

A=40, B=41, C=127  
BS: 2,000KG/4,400LBS  
Product Code: 408403806



### RBS28A

A=28, B=40, C=128  
BS: 1,500KG/3,300LBS  
Product Code: 408402807



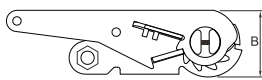
### RBS28B

A=28, B=40, C=119  
BS: 1,500KG/3,300LBS  
Product Code: 408402808

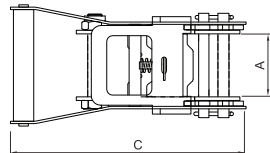


### RBS25

A=27, B=40, C=115  
BS: 800KG/1,700LBS  
Product Code: 408402509

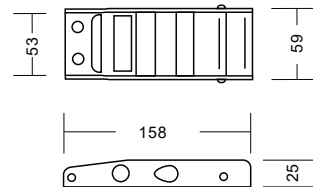


A: Band Width (mm)  
B: Thickness (mm)  
C: Arm Length (mm)



### OBS5004

SS Overcenter Buckle  
BS: 1,360KG/3,000LBS  
Product Code: 408405010

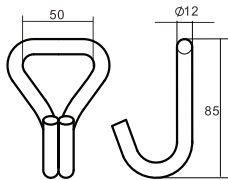


## STAINLESS STEEL HOOK



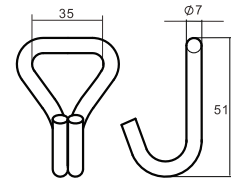
### WH5030S

2" Double J Hook  
BS: 3,000KG/6,600LBS  
Product Code: 408405011



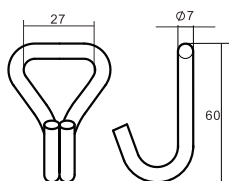
### WH3820S

1.5" Double J Hook  
BS: 2,000KG/4,400LBS  
Product Code: 408403812



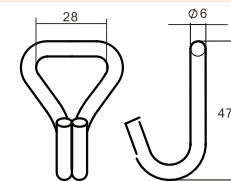
### WH2815S

1" Double J Hook  
BS: 1,500KG/3,300LBS  
Product Code: 408402813



### WH2508S

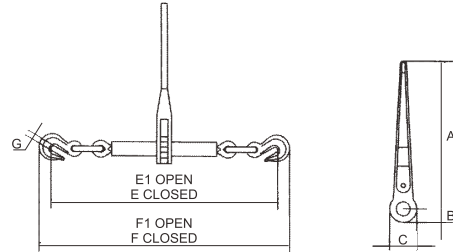
1" Double J Hook  
BS: 800KG/1,760LBS  
Product Code: 408402514



# LOAD BINDER

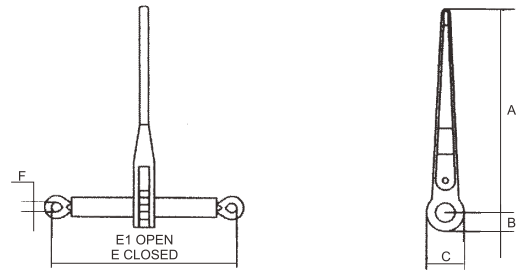


Cradle grab hook with safety pin is available upon request.



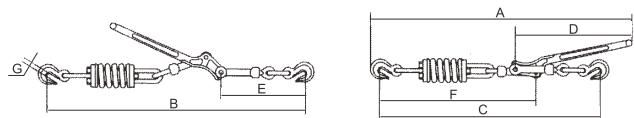
## RATCHET TYPE LOAD BINDER

Item No.	Min.-Max. Chain Size	Working Load Limit	Proof Load	Minimum Ultimate Load	Weight	Handle Length	Dimensions (inch)							Product Code	
	inch						lbs	lbs	lbs	lbs	inch	A	B		C
RLBH08	1/4-5/16	2600	5200	9200	3.52	7.16	7.16	0.89	1.77	16.22	21.26	17.79	22.83	0.35	411001516
RLBH10	5/16-3/8	5400	10800	19000	10.5	13.42	13.92	1.3	2.6	22.64	30.64	25.25	33.24	0.51	411001038
RLBH13	3/8-1/2	9200	18400	33000	12.9	13.92	13.92	1.3	2.6	24.13	32.13	27.04	35.04	0.59	411001012
RLBH16	1/2-5/8	13000	26000	46000	14.38	13.92	13.92	1.3	2.6	26.45	34.45	30.07	38.07	0.74	411001058



## RATCHET TYPE LOAD BINDER WITHOUT LINKS OR HOOKS

Item No.	Min.-Max. Chain Size	Working Load Limit	Proof Load	Minimum Ultimate Load	Weight	Handle Length	Dimensions (inch)						Product Code
	inch						lbs	lbs	lbs	lbs	inch	A	
RLBW10	5/16-3/8	5400	10800	19000	7.8	13.42	13.92	1.3	2.6	13.7	21.7	0.79	411002038
RLBW13	3/8-1/2	9200	18400	33000	7.8	13.92	13.92	1.3	2.6	13.7	21.7	1.02	411002012
RLBW16	1/2-5/8	13000	26000	46000	8.5	13.92	13.92	1.3	2.6	14.17	22.17	1.02	411002058



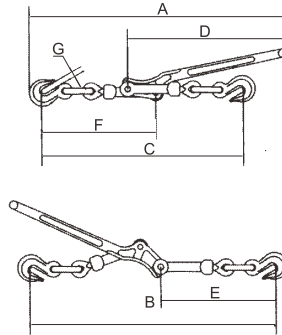
## SPRING LOAD BINDER

Item No.	Min.-Max. Chain Size	Working Load Limit	Proof Load	Minimum Ultimate Load	Weight	Handle Length	Dimensions (inch)							Product Code
	inch						lbs	lbs	lbs	lbs	inch	A	B	
SLB10	5/16-3/8	5400	10800	19000	14.57	15.43	32.3	33	29.06	15.43	11.22	20.5	0.51	411003038
SLB13	3/8-1/2	9200	18400	28000	19.81	17.24	37	35.83	31.49	17.64	12.99	18.7	0.59	411003012

# LOAD BINDER

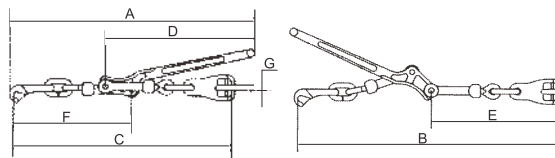


Cradle grab hook with safety pin is available upon request.



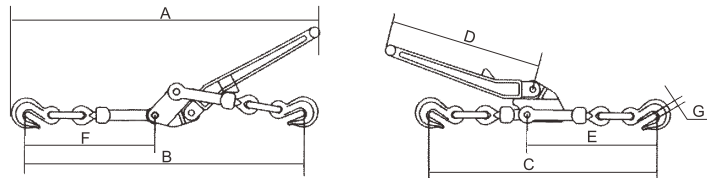
## LEVER TYPE LOAD BINDER WITH GRAB HOOK

Item No.	Min.-Max. Chain Size	Working Load Limit	Proof Load	Minimum Ultimate Load	Weight	Handle Length	Dimensions (inch)							Product Code
	inch	lbs	lbs	lbs			A	B	C	D	E	F	G	
LLGH08	1/4-5/16	2600	5200	7800	3.52	11.42	18.5	17.3	14.17	11.42	8.27	8.07	0.35	411004516
LLGH10	5/16-3/8	5400	10800	19000	8.37	15.43	25.2	23.2	19.49	15.55	11.22	11.22	0.51	411004038
LLGH13	3/8-1/2	9200	18400	33000	12.2	17.24	28.5	26.38	22.05	17.64	12.99	12.2	0.59	411004012
LLGH16	1/2-5/8	11000	22000	44000	19.7	21	33.86	30.12	25.78	20.87	14.37	14.37	0.74	411004058



## LEVER TYPE LOAD BINDER WITH CLAW HOOK

Item No.	Min.-Max. Chain Size	Working Load Limit	Proof Load	Minimum Ultimate Load	Weight	Handle Length	Dimensions (inch)							Product Code
	inch	lbs	lbs	lbs			A	B	C	D	E	F	G	
LLCH08	1/4-5/16	2600	5200	7800	3.6	11.42	20.66	18.7	15.35	11.42	8.85	8.85	0.35	411005516
LLCH10	5/16-3/8	5400	10800	19000	8.56	15.43	25.2	25.2	21.46	15.55	12.2	12.2	0.47	411005038
LLCH13	3/8-1/2	9200	18400	28000	12.38	17.24	28.15	28.7	24.61	17.52	13.58	13.58	0.59	411005012



## INDIRECT LOAD BINDER

Item	Min.-Max. Chain Size	Working Load Limit	Proof Load	Minimum Ultimate Load	Weight	Handle Length	Dimensions (inch)							Product Code
	inch	lbs	lbs	lbs			A	B	C	D	E	F	G	
ILB10	5/16-3/8	5400	10800	19000	9.25	13	37	23.62	18.9	12.6	11.02	11.02	0.51	411006038

# LOAD BINDER

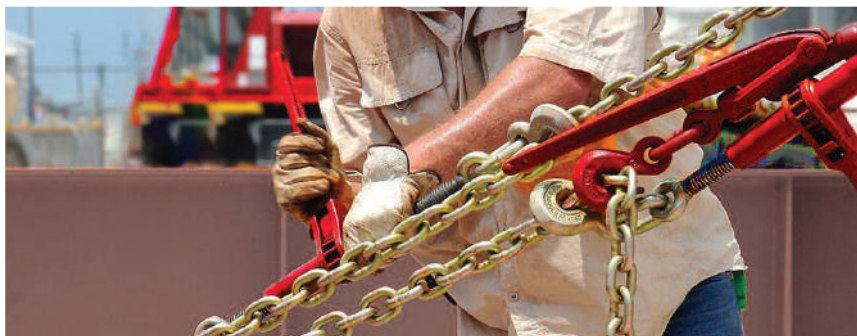
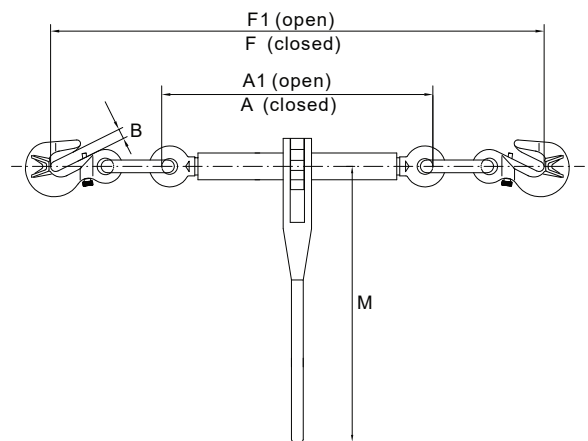
## Features:

Load binders are used for the safe securing of heavy loads by road, rail, air and ship transport.

- ELBH load binder is individually proof load tested at 1.25 times the lashing capacity.
- The closed body design protects the threads from damage and prevent dirt from entering into the body.
- Forged eye bolts and hooks.
- Hooks are equipped with safety pins to prevent unintentional unhooking.
- Safety device prevents unintentional unscrewing.
- Powder coated finish for good corrosion protection.
- In combination with Grade 80 chain.
- Marking: size, lashing capacity, "Not for lifting", batch No., EN 12195-3
- Standard: EN 12195-3
- Warning: not for lifting.

### RATCHET TYPE LOAD BINDER WITH WINGED GRAB HOOK AND SAFETY PIN

Item No.	Chain Size	LC	MBF	Dimensions (mm)						Weight	Product Code
	mm	kN	kN	A	A1	B	F	F1	M	kg	
ELBH08	8	40	80.4	355	520	11.5	575	740	355	4.5	411101008
ELBH10	10	63	126	355	520	15	615	780	355	5.5	411101010
ELBH13	13	100	212	361	516	19.5	695	850	355	8	411101013
ELBH16	16	160	322	574	874	19.5	930	1230	355	14.5	411101016





# G80 LASHING CHAINS WITH LOAD BINDER

## GRADE 80 LASHING CHAINS WITH RATCHET LOAD BINDER

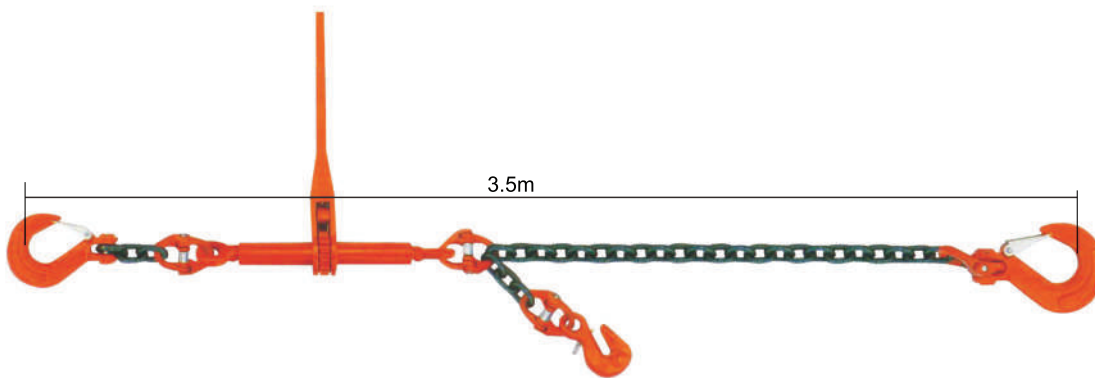
Item No.	Chain Size	LC	MBF	Product Code
	mm	kN	kN	
ELBC08	8	40	80.4	411201008
ELBC10	10	63	126	411201010
ELBC13	13	100	212	411201013

-The lashing chains are equipped with a ratchet load binder, load hooks with safety latches, shortening grab hook with safety pin that prevents the chain from vibrating during transport.

-The ratchet load binder applies a force to the chains in a controlled manner.

-Long side can be shortened safely by the shortening grab hook.

-Standard working length 3.5m.



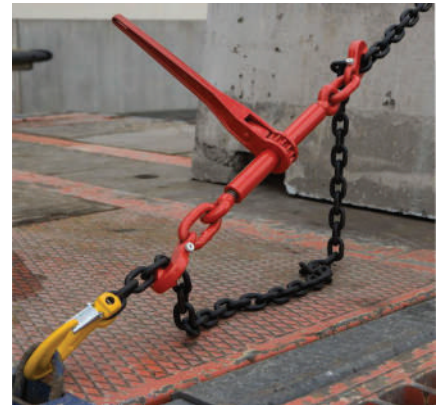
## GRADE 80 LASHING CHAIN ASSEMBLY FOR RATCHET LOAD BINDER

Item No.	Chain Size	LC	MBF	Standard Length	Weight	Product Code
	mm	kN	kN	m	kg	
LCLB08	8	40	80.4	3.5	7.7	411301008
LCLB10	10	63	126	3.5	12.7	411301010
LCLB13	13	100	212	3.5	21.5	411301013
LCLB16	16	160	322	3.5	33.7	411301016

-For lashing extremely heavy items on boats, carriages, etc.

-Standard end fitting: Grade 80 clevis sling hook with safety latch

-Surface finish of chain: electro galvanized, black painted or black E-coated.



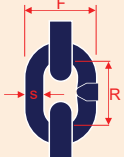
# GRADE 70 CHAIN & LOAD BINDER

## GRADE 70 TRANSPORT CHAIN

### Features:

H-Lift Grade 70 transport chains are designed and manufactured to suit rigorous requirements of the transport and shipping industries.

- Complies to AS/NZS 4344
- Lashing capacity clearly marked
- The yellow zinc plating/golden finish makes it easily recognizable.
- Proof tested
- NOT SUITABLE FOR LIFTING APPLICATIONS

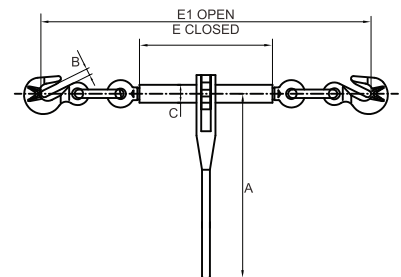
	Item No.	Chain Size	Lashing Capacity	S	R	F	Metres/100kg	Marking	Product Code
		mm	ton	mm	mm	mm			
	7-CA-06023	6	2.3	6.3	18.8	21.6	116	HLIFT,4344-2.3	411406023
	7-CA-07330	7.3	3	7.3	23.8	25.9	86.3	HLIFT,4344-3.0	411407030
	7-CA-08038	8	3.8	8	23.8	27	68.9	HLIFT,4344-3.8	411408038
	7-CA-10060	10	6	10	29.6	34.3	45.5	HLIFT,4344-6.0	411410060
	7-CA-13090	13	9	12.5	38	42.5	29.6	HLIFT,4344-9.0	411413090

## GRADE 70 LOAD BINDER

### Features:

Grade 70 load binder combined with Grade 70 chain are an effective way to restraint heavy loads for transport operations,

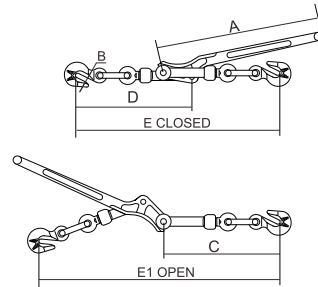
- Complies to AS/NZS 4344
- Lashing capacity clearly marked
- Ratchet load binders have no whip when released and come complete with cradle grab hooks for 100% rating.
- Proof tested
- NOT SUITABLE FOR LIFTING APPLICATIONS



### GRADE 70 RATCHET TYPE LOAD BINDER WITH WINGED GRAB HOOK

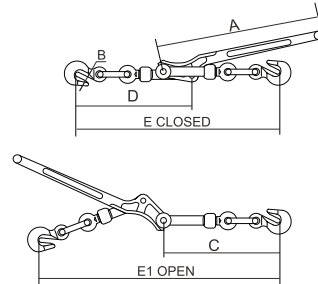
Item No.	Chain Size	Lifting Capacity	Proof Load	Minimum Ultimate Load	Dimensions (mm)					Product Code
					A	B	C	E	E1	
					mm	mm	mm	mm	mm	
RLB06C	6	2.3	2.6	4.6	185	8	26	410	500	411501060
RLB08C	7-8	3.8	4.3	7.6	355	10.5	34	560	720	411501080
RLB10C	10	6	6.9	12	355	13	34	605	760	411501010
RLB13C	13	9	10.3	18	355	16.5	36	700	850	411501013

# GRADE 70 LOAD BINDER



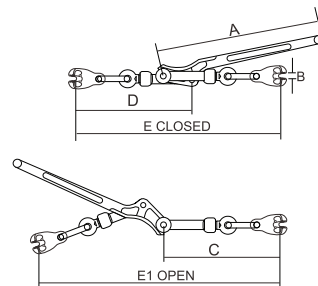
**GRADE 70 LEVER TYPE LOAD BINDER WITH WINGED GRAB HOOK**

Item No.	Chain Size mm	Lifting Capacity ton	Proof Load ton	Minimum Ultimate Load ton	Dimensions (mm)						Product Code
					A	B	C	D	E	E1	
LLB06C	6	2.3	2.6	4.6	290	8	210	205	360	440	411502060
LLB08C	7-8	3.8	4.3	7.6	392	10.5	285	285	495	590	411502080
LLB10C	10	6	6.9	12	438	13	330	310	560	670	411502010
LLB13C	13	9	10.3	18	530	16.5	365	365	680	805	411502013



**GRADE 70 LEVER TYPE LOAD BINDER WITH GRAB HOOK**

Item No.	Chain Size mm	Lifting Capacity ton	Proof Load ton	Minimum Ultimate Load ton	Dimensions (mm)						Product Code
					A	B	C	D	E	E1	
LLB06G	6	2.3	2.6	4.6	290	8	210	205	360	440	411503060
LLB08G	7-8	3.8	4.3	7.6	392	10.5	285	285	495	590	411503080
LLB10G	10	6	6.9	12	438	13	330	310	560	670	411503010
LLB13G	13	9	10.3	18	530	16.5	365	365	680	805	411503013



**GRADE 70 LEVER TYPE LOAD BINDER WITH CLAW HOOK**

Item No.	Chain Size mm	Lifting Capacity ton	Proof Load ton	Minimum Ultimate Load ton	Dimensions (mm)						Product Code
					A	B	C	D	E	E1	
LLB08H	7-8	3.8	4.3	7.6	392	9.5	285	285	495	590	411504080
LLB10H	10	6	6.9	12	438	10.5	330	310	560	670	411504010

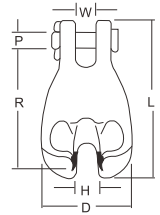
# GRADE 70 CHAIN FITTINGS

**Material:** Alloy steel  
**Treatment:** Quenched & tempered  
**Breaking strength:** 2 times the lashing capacity  
**Finish:** Electro galvanized  
**Marking:** Chain size, G70, HL(supplier), batch No.  
**Standard:** AS/NZS4344  
**Note:** Grade 70 components are designed for lashing and pulling only.  
 Never use Grade 70 chain or components for lifting.



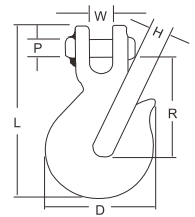
## GRADE 70 CLEVIS CLAW HOOK

Item No.	Chain Size	Lashing Capacity	D	H	L	P	R	W	Weight	Product Code
	mm	ton	mm	mm	mm	mm	mm	mm	kg	
7-CK-08040	6-8	3.8	41.9	9.4	81	9.9	60	9.9	0.34	412001008
7-CK-10060	10	6	52.1	10.4	102.1	11.9	75	10.9	0.67	412001010



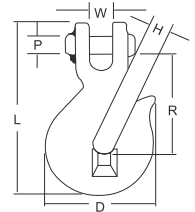
## GRADE 70 CLEVIS GRAB HOOK

Item No.	Chain Size	Lashing Capacity	D	H	L	P	R	W	Weight	Product Code
	mm	ton	mm	mm	mm	mm	mm	mm	kg	
7-GK-06017	6	1.7	48.8	8.9	81	7.9	45.5	8.9	0.2	412002006
7-GK-08030	8	3	57.9	10.9	95	9.9	54.1	9.9	0.32	412002008
7-GK-10045	10	4.5	67.6	13	115	11.9	67.6	11.9	0.52	412002010
7-GK-13067	13	6.7	76.2	16	135	16	77	15	0.82	412002013



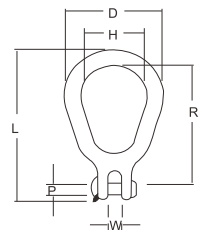
## GRADE 70 CLEVIS WINGED GRAB HOOK

Item No.	Chain Size	Lashing Capacity	D	H	L	P	R	W	Weight	Product Code
	mm	ton	mm	mm	mm	mm	mm	mm	kg	
7-CG-06023	6	2.3	48.8	8.9	81	7.9	45.5	8.9	0.21	412003006
7-CG-08038	8	3.8	57.9	10.9	95	9.9	54.1	9.9	0.34	412003008
7-CG-10060	10	6	67.6	13	115	11.9	67.6	11.9	0.72	412003010
7-CG-13090	13	9	76.2	16	135	16	77	15	1.25	412003013



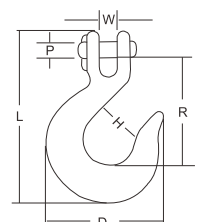
## GRADE 70 LUG LINK

Item No.	Chain Size	Lashing Capacity	D	H	L	P	R	W	Weight	Product Code
	mm	ton	mm	mm	mm	mm	mm	mm	kg	
7-LK-08025	8	2.5	81.6	54.6	141.4	10	110.9	12.5	0.45	412004008
7-LK-10040	10	4	90	54.6	145.4	12	109.5	13.6	0.65	412004010
7-LK-13060	13	6	100	60	208	16	162.5	17.5	1.3	412004013



## GRADE 70 CLEVIS SLIP HOOK

Item No.	Chain Size	Lashing Capacity	D	H	L	P	R	W	Weight	Product Code
	mm	ton	mm	mm	mm	mm	mm	mm	kg	
7-SK-06010	6	1	70	23.9	101.6	7.9	66	10.9	0.24	412005006
7-SK-08025	8	2.5	74.9	27	114	10	74	13	0.34	412005008
7-SK-10040	10	4	87.9	32.8	132	11.9	85.1	15	0.57	412005010
7-SK-13060	13	6	122.9	42.9	166	16	102.6	19	1.31	412005013

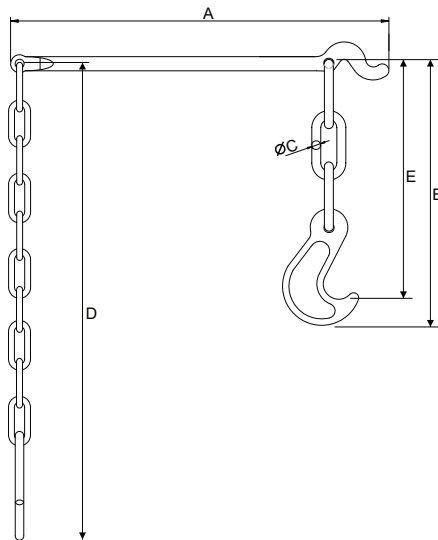




# RO-RO LASHING EQUIPMENT

## CHAIN TENSIONER

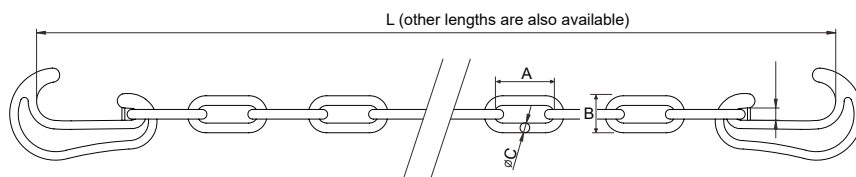
Item No.	Size	Min. Breaking Strength	Dimensions(mm)					Weight	Product Code
	mm		kg	A	B	ØC	D	E	
CT0910	9	10000	585	280	10	600	240	3.2	413001009
CT1115	11	15000	600	340	12	600	290	4.5	413001011
CT1320	13	20000	580	400	14	600	350	5.6	413001013



## LASHING CHAIN

Item No.	Size	Min. Breaking Strength	Dimensions(mm)				Weight	Product Code
	mm		kg	L	A	B	ØC	
LC0910	9	10000	3500	57	34	10	5.6	413002009
LC1115	11	15000	3500	64	40	12	8.5	413002011
LC1320	13	20000	3500	82	49	14	12.0	413002013

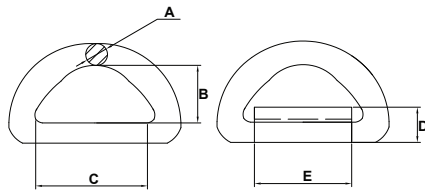
"L" 3.5m as standard length, other lengths are also available.



# RO-RO LASHING EQUIPMENT

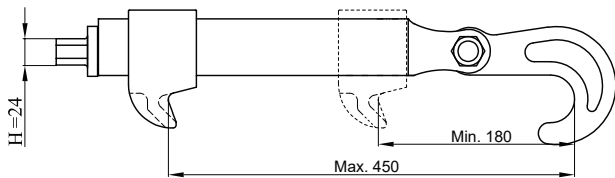
## D RING WITH WRAP

Item No.	Capacity	Main Dimensions(mm)					Weight	Product Code
	t	A	B	C	D	E	kg	
DW1920	20	19	89	90	28	80	1.3	414011920
DW2336	36	23	76	134	38	120	2.5	414012336
DW2650	50	26	80	165	47	130	4.2	414012650

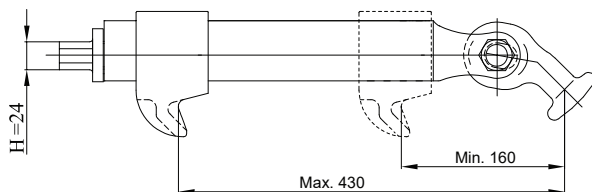


## SPEEDLASH TURNBUCKLE

Item No.	Size	End	Min. Breaking Strength	Weight	Product Code
	mm		kg	kg	
ST13HK	13	Hook	20000	7	414002013



Item No.	Size	End	Min. Breaking Strength	Weight	Product Code
	mm		kg	kg	
ST13EE	13	Eye Elephants	20000	7	414003013



# HAND PULLER

## POWER PULLER

### Features:

Power Puller uses a ratcheting gear pulley system to pull heavy loads with one handed operation. It is ideal for use in construction, landscaping, and farm projects.

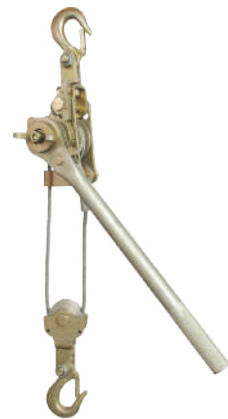
- Double gears or single gear.
- Hooks with safety latches.
- Anti-slip safety handle.
- For horizontal use only.
- Note: before use, check the steel cable for damage; check that the hooks are not bent out and the safety latches are still attached. Never extend the handle with a pipe for more force.

Item No.	Capacity	Type	Gear	Hook	Cable Line	Cable Size	Weight	Product Code
	t					mm x m	kg	
HPS-2H-01	1		1	2	1	4.5×1.68	1.9	421000201
HPS-2H-H2	2	Heavy duty	1	2	2	5.0×2.28	2.2	421000202
HPD-2H-H2	2	Heavy duty	2	2	2	5.0×2.28	2.8	421000203
HPS-2H-H4	4	Heavy duty	1	2	2	6.0×3.05	4.8	421000204
HPD-2H-H4	4	Heavy duty	2	2	2	6.0×3.05	5.0	421000205



## RATCHET PULLER

Item No.	Capacity	Max. Length	Min. Length	Cable Size	Weight	Product Code
	t	mm	mm		mm	
WRP-10	1	1210	410	5	3.2	421100010
WRP-15	1.5	1400	480	6	4.2	421100015
WRP-20	2	1400	480	6	4.3	421100020



Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments

# TRUCK WINCH

## WINCH BARS



Item: CSWB-1 Chrome Standard Winch Bar  
Product Code:42200001



Item: CSWB-2 Chrome Combination Winch Bar  
Product Code:42200002



Item: CSWB-3 Painted Standard Winch Bar  
Product Code:42200003



Item: CSWB-4 Painted Combination Winch Bar  
Product Code:42200004

## CARGO BARS



Item: CBA-1  
Aluminum Cargo Bar  
Product Code:422100001



Item: CBA-2  
Steel Cargo Bar  
Product Code:422100002

## TRUCK WINCHES



A: 204mm  
B: 124mm  
C: 140mm  
D: 90mm

Item: TWS100  
Weld-on Winch  
Product Code:422200001



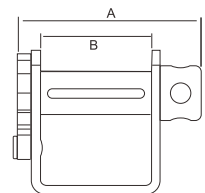
A: 204mm  
B: 124mm  
C: 140mm  
D: 90mm

Item: TWB100  
Bolt-on Winch  
Product Code:422200002



A: 204mm  
B: 124mm  
C: 175mm  
D: 100mm

Item: TWT100  
Sliding Winch  
Product Code:422200003



A: 149.5mm  
B: 53mm  
C: 102mm  
D: 75mm

Item: LWS100  
Lashing Winch  
BS: 5000kg/11000lbs  
Product Code:422200004



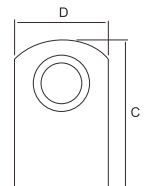
A: 132mm  
B: 53mm  
C: 102mm  
D: 75mm

Item: LWS101  
Lashing Winch  
BS: 5000kg/11000lbs  
Product Code:422200005



A: 125mm  
B: 53mm  
C: 102mm  
D: 75mm

Item: LWS102  
Lashing Winch  
BS: 5000kg/11000lbs  
Product Code:422200006





# LIFTING CHAIN/CHAIN SLING/COMPONENTS





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# GRADE 80 LIFTING CHAIN

## GRADE 80 CHAIN FOR CHAIN SLING (EN818-2)

Suitable for overhead lifting application. For use with Grade 80 components.  
High tensile alloy steel.

Standard: EN818-2

Material: alloy steel

Safety factor: 4:1

Proof load: 2.5 times the Working Load Limit

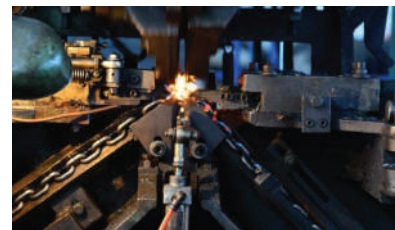
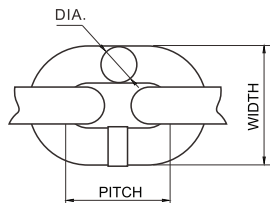
Item No.	Size mm	Pitch mm	Width		WLL T	Proof Force kN	Min. Breaking Load kN	Weight kg/m	Product Code
			Internal Min. mm	External Max. mm					
G8S0618	6	18	7.8	22.2	1.12	28.3	45.2	0.78	501010618
G8S0721	7	21	9.1	25.9	1.5	38.5	61.6	1.06	501010721
G8S0824	8	24	10.4	29.6	2	50.3	80.4	1.38	501010824
G8S1030	10	30	13.0	37.0	3.15	78.5	126	2.2	501011030
G8S1339	13	39	16.9	48.1	5.3	133	212	3.7	501011339
G8S1648	16	48	20.8	59.2	8	201	322	5.6	501011648
G8S1854	18	54	23.4	66.6	10	254	407	6.8	501011854
G8S2060	20	60	26.0	74.0	12.5	314	503	8.6	501012060
G8S2266	22	66	28.6	81.4	15	380	608	12	501012266
G8S2678	26	78	33.8	96.2	21.2	531	849	14.87	501012678
G8S3296	32	96	41.6	118.0	31.5	804	1290	22.29	501013296

Surface finish: black e-coated, powder coated, black painted, or black oxidized.

## GRADE 80 CHAIN FOR CHAIN HOIST AND LEVER HOIST (EN818-7)

Item No.	Size mm	Pitch mm	Width		Length for 11 x Pitch mm	WLL T	Proof Force kN	Min. Breaking Load kN	Weight kg/m	Product Code
			Internal Min. mm	External Max. mm						
G8H0412	4	12	4.8	13.6	132	0.5	12.6	20.1	0.35	501020412
G8H0515	5	15	6	17	165	0.8	19.6	31.4	0.55	501020515
G8H0618	6	18	7.2	20.4	198	1.1	28.3	45.2	0.78	501020618
G8H0721	7	21	8.4	23.8	231	1.5	38.5	61.6	1.06	501020721
G8H0824	8	24	9.6	27.2	264	2	50.3	80.4	1.38	501020824
G8H0927	9	27	10.8	30.6	297	2.5	63.6	102	1.78	501020927
G8H1030	10	30	12	34	330	3.2	78.5	126	2.2	501021030

Surface finish: Black oxidized or electro galvanized.



## GRADE 80 CASE HARDENED CHAIN FOR POWER DRIVEN HOIST, TYPE DAT

Item No.	Size mm	Pitch mm	Width		Length for 11 x Pitch mm	WLL ton	Proof Force kN	Min. Breaking Load kN	Weight kg/m	Product Code
			Internal Min. mm	External Max. mm						
G8P0412	4	12	4.8	13.6	132	0.4	12.6	20.1	0.35	501030412
G8P0515	5	15	6	17	165	0.63	19.6	31.4	0.54	501030515
G8P0618	6	18	7.2	20.4	198	0.9	28.3	45.2	0.78	501030618
G8P0619	6.3	19	7.2	20.4	209	1	31.2	49.9	0.85	501030619
G8P0721	7.1	21	8.4	23.8	231	1.2	38.5	61.6	1.07	501030721
G8P0824	8	24	9.6	27.2	264	1.6	50.3	80.4	1.37	501030824
G8P0927	9	27	10.8	30.6	297	2	63.6	102	1.78	501030927
G8P1030	10	30	12	34	330	2.5	78.5	126	2.14	501031030
G8P1134	11.2	34	13.2	37.4	374	3.2	98.5	157.6	2.65	501031134

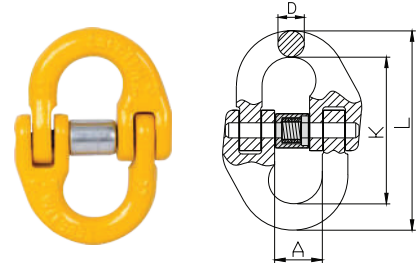
Surface finish: black oxidized.

# GRADE 80 SLING COMPONENTS

## GRADE 80 CONNECTING LINK, CNL TYPE

- Used to connect grade 80 chain to an oblong link, hook or other components.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL ton	Main Dimensions(mm)				Weight kg	Product Code
	mm		A	L	K	D		
8-CNL-06	6	1.12	15	58	42	7	0.08	502001006
8-CNL-07	7	1.5	20	73	54.8	8.5	0.145	502001007
8-CNL-08	7+8	2	20.5	79.5	60.5	8.5	0.146	502001008
8-CNL-10	10	3.15	26	90.5	68	11.5	0.3	502001010
8-CNL-13	13	5.3	30	117	87	15	0.65	502001013
8-CNL-16	16	8	35	148	108.4	19.8	1.15	502001016
8-CNL-18	18	10	38	154	112	21	1.84	502001018
8-CNL-20	18+20	12.5	41	169.5	121.5	24	2.1	502001020
8-CNL-22	22	15	49.5	193.5	141.5	26	2.87	502001022
8-CNL-26	26	21.2	57.5	220	158	30	4.5	502001026
8-CNL-32	32	31.5	67.5	281	205	37	8.21	502001032

Connecting links according to ASTM A952 or AS 3776 are also available.

## LOAD PIN AND SLEEVE OPTIONS



### LOAD PIN AND DOUBLE SLEEVE

Item No.	Chain Size	Item No.	Chain Size
	mm		mm
8-SP-CNL-A-06	6	8-SP-CNL-A-18	18
8-SP-CNL-A-08	7+8	8-SP-CNL-A-20	18+20
8-SP-CNL-A-10	10	8-SP-CNL-A-22	22
8-SP-CNL-A-13	13	8-SP-CNL-A-26	26
8-SP-CNL-A-16	16	8-SP-CNL-A-32	32

### LOAD PIN AND SINGLE SLEEVE

Item No.	Chain Size	Item No.	Chain Size
	mm		mm
8-SP-CNL-B-06	6	8-SP-CNL-B-18	18
8-SP-CNL-B-08	7+8	8-SP-CNL-B-20	18+20
8-SP-CNL-B-10	10	8-SP-CNL-B-22	22
8-SP-CNL-B-13	13	8-SP-CNL-B-26	26
8-SP-CNL-B-16	16	8-SP-CNL-B-32	32

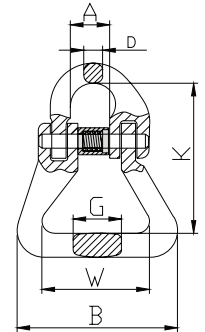
\*Surface finish of sleeve and load pin: black oxidized, zinc plated or chrome plated.  
 \*All load pins are individually inspected and tested.

# GRADE 80 SLING COMPONENTS

## GRADE 80 WEB SLING CONNECTOR, WSC TYPE

- Designed with an extra wide body to connect webbing sling or round sling to grade 80 chain components.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
Material: forged alloy steel  
Proof load: 2.5 times the Working Load Limit  
Safety factor: 4:1  
Surface finish: powder coated

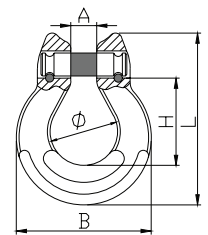


Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight kg	Product Code
	mm		A	B	K	W	G	D		
8-WSC-06	6	1.12	15	60	56	40	18	7	0.17	502002006
8-WSC-08	7+8	2	20	61.5	64	40	24	8.5	0.3	502002008
8-WSC-10	10	3.15	24	75	83	45	30.5	9	0.5	502002010
8-WSC-13	13	5.3	28	88	93.7	54	36.8	16.5	1.03	502002013
8-WSC-16	16	8	35	108	120	65.5	45.2	19.8	1.87	502002016
8-WSC-20	20	12.5	41	129	138	80	51.8	23	2.97	502002020
8-WSC-22	22	15	50	191	180	126	70	26	6.4	502002022
8-WSC-26	26	21.2	58	228.4	209.5	152	86	30	10.25	502002026
8-WSC-32	32	31.5	72.5	252	279	160	91	55	19	502002032

## GRADE 80 OMEGA LINK, OML TYPE

- Used as a chain end fitting to form an effective and robust connecting link.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
Material: forged alloy steel  
Proof load: 2.5 times the Working Load Limit  
Safety factor: 4:1  
Surface finish: powder coated



Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight kg	Product Code
	mm		A	B	Φ	H	L		
8-OML-06	6	1.12	8	41	19	25	52	0.12	502003006
8-OML-08	7+8	2	10	52	23	35	68.5	0.22	502003008
8-OML-10	10	3.15	12.5	62	30	40.5	87	0.36	502003010
8-OML-13	13	5.3	15	81	38	54	108	0.71	502003013
8-OML-16	16	8	19	99	49	64	126	1.12	502003016
8-OML-20	20	12.5	23	118	57	75.6	152	2.1	502003020

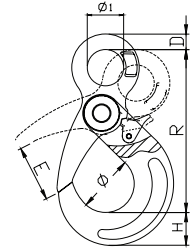


# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE SELF LOCKING HOOK, ESK TYPE

- ESK type hooks will not open when under load as the latch closes automatically.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

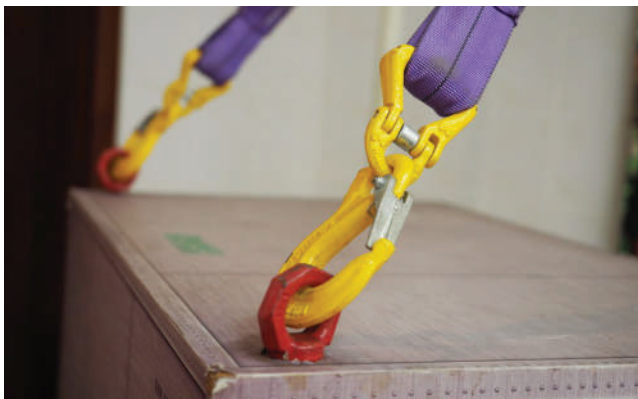


Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight kg	Product Code
	mm		Φ1	R	D	Φ	H	E		
8-ESK-06	6	1.12	21	110	11	34	20	32	0.5	502004006
8-ESK-08	7+8	2	25	136	13	44	26	40	0.85	502004008
8-ESK-10	10	3.15	34.5	168	15	58	30	48	1.42	502004010
8-ESK-13	13	5.3	39.5	207	21	70	40	52	2.86	502004013
8-ESK-16	16	8	50	254	27	86	50.5	65	5.9	502004016
8-ESK-20	20	12.5	64.5	278	27	97	55	82	8.5	502004020
8-ESK-22	22	15	70	319	32	98	67	80	11.6	502004022
8-ESK-26	26	21.2	80	362	34	110	75	109	18	502004026
8-ESK-32	32	31.5	105	470	45	164	97	131	46	502004032

## TRIGGER KITS FOR ESK, CSK, SSK AND SSB TYPE SELF LOCKING HOOK



Item No.	Chain Size	Item No.	Chain Size
	mm		mm
8-SP-SK-06	6	8-SP-SK-20	18+20
8-SP-SK-08	7+8	8-SP-SK-22	22
8-SP-SK-10	10	8-SP-SK-26	26
8-SP-SK-13	13	8-SP-SK-32	32
8-SP-SK-16	16	/	/

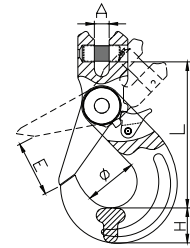


# GRADE 80 SLING COMPONENTS

## GRADE 80 CLEVIS SELF LOCKING HOOK, CSK TYPE

- CSK type hooks will not open when under load as the latch closes automatically.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm		ton	E	A	H	Φ	L	
8-CSK-06	6	1.12	32	8	20	34	99	0.44	502005006
8-CSK-08	7+8	2	40	9.5	26	44	119	0.8	502005008
8-CSK-10	10	3.15	48	12.5	30	58	142	1.38	502005010
8-CSK-13	13	5.3	57	15	40	70	179	2.81	502005013
8-CSK-16	16	8	65	18.5	50.5	86	225	6	502005016
8-CSK-20	20	12.5	80	24	55	97	238	7.25	502005020
8-CSK-22	22	15	83	25	67	98	277	12.8	502005022
8-CSK-26	26	21.2	109	30	75	110	312	21.8	502005026
8-CSK-32	32	31.5	131	35	97	164	416	49.6	502005032

## LOAD PINS FOR CLEVIS SELF LOCKING HOOK

Item No.	Chain Size	Item No.	Chain Size
	mm		mm
8-SP-CSK-06	6	8-SP-CSK-20	18+20
8-SP-CSK-08	7+8	8-SP-CSK-22	22
8-SP-CSK-10	10	8-SP-CSK-26	26
8-SP-CSK-13	13	8-SP-CSK-32	32
8-SP-CSK-16	16	/	/

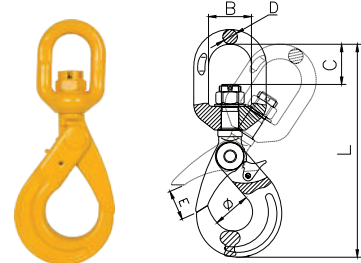


# GRADE 80 SLING COMPONENTS

## GRADE 80 SWIVEL SELF LOCKING HOOK WITHOUT BEARING, SSK TYPE

- Swivel eye allows for 360 degree rotation before load is applied.
- SSK type hooks will not open when under load as the latch closes automatically.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

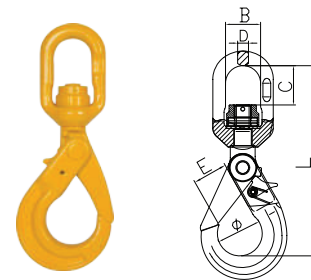


Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight kg	Product Code
	mm		B	C	D	L	Φ	E		
8-SSK-06	6	1.12	32.5	25.5	12	172.5	34	32	0.71	502006006
8-SSK-08	7+8	2	36	29.5	13	215.5	44	40	1.15	502006008
8-SSK-10	10	3.15	42	35	15	253	58	48	1.86	502006010
8-SSK-13	13	5.3	50	41	16	307	70	57	3.51	502006013
8-SSK-16	16	8	61	58	23.5	391.5	86	65	7.33	502006016
8-SSK-20	20	12.5	72	63	26	426	97	82	10.3	502006020
8-SSK-22	22	15	97	98	31	531	98	85	17.5	502006022
8-SSK-26	26	21.2	123	115	42	619	110	109	23	502006026
8-SSK-32	32	31.5	140	147	52	778	164	131	81	502006032

## GRADE 80 SWIVEL SELF LOCKING HOOK WITH BEARING, SSB TYPE

- SSB type hooks will not open when under load as the latch closes automatically.
- Hook rotates easily also with full load.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



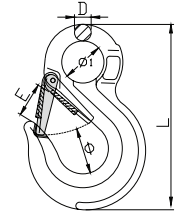
Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight kg	Product Code
	mm		B	C	D	L	Φ	E		
8-SSB-06	6	1.12	32.5	33.8	11.5	160	34	32	0.71	502007006
8-SSB-08	7+8	2	36	40	13	202	44	40	1.1	502007008
8-SSB-10	10	3.15	42	48	15.5	237	58	48	2.1	502007010
8-SSB-13	13	5.3	50	58	17	282	70	57	4	502007013
8-SSB-16	16	8	61	60	21.5	341.5	86	65	7.3	502007016
8-SSB-20	20	12.5	76	75.5	26.5	399.5	97	82	11.6	502007020
8-SSB-22	22	15	97	97	33	466	98	80	16	502007022
8-SSB-26	26	21.2	123	115	42	544	110	109	21.5	502007026

# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE SLING HOOK WITH SAFETY LATCH, ESH TYPE

- Comes with spring-loaded safety latch.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight	Product Code
	mm		D	E	Φ	Φ1	L	kg	
8-ESH-06	6	1.12	9	21.5	20	20	108	0.3	502008006
8-ESH-08	7+8	2	11	27.5	24	25	133	0.4	502008008
8-ESH-10	10	3.15	15	27.2	38	38	167	0.9	502008010
8-ESH-13	13	5.3	19	38.5	51	43	213	2.2	502008013
8-ESH-16	16	8	23	42	62	50	255	3.2	502008016
8-ESH-20	20	12.5	24	44.6	74.8	63	305	5.8	502008020
8-ESH-22	22	15	32	70	68	62	348	9.2	502008022
8-ESH-26	26	21.2	35	84	84	64	394	13	502008026
8-ESH-32	32	31.5	37	102	100	88	480	18.5	502008032

## LATCH KITS FOR EYE SLING HOOK



Item No.	Chain Size	Item No.	Chain Size
	mm		mm
8-SP-ESH-06	6	8-SP-ESH-20	18+20
8-SP-ESH-08	7+8	8-SP-ESH-22	22
8-SP-ESH-10	10	8-SP-ESH-26	26
8-SP-ESH-13	13	8-SP-ESH-32	32
8-SP-ESH-16	16	/	/



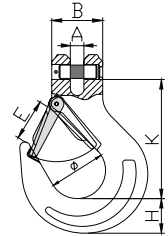


# GRADE 80 SLING COMPONENTS

## GRADE 80 CLEVIS SLING HOOK WITH LATCH, CSH TYPE

- Lifting chain is attached directly to the hook without a connecting link.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

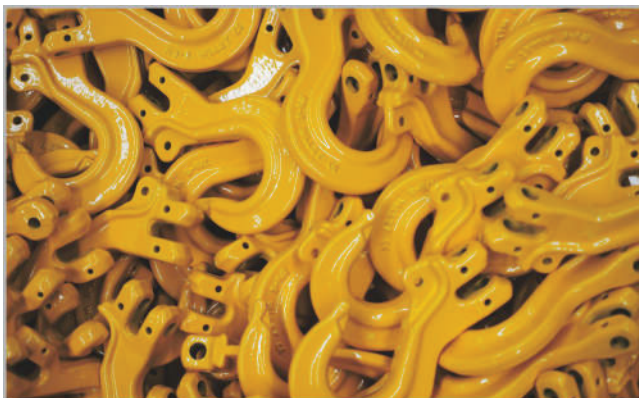


Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight	Product Code
	mm		A	B	Φ	H	K	E	kg	
8-CSH-06	6	1.12	8	32	35	23	76	26	0.32	502009006
8-CSH-08	7+8	2	9.5	37	37	25	86.4	29	0.48	502009008
8-CSH-10	10	3.15	12.5	49	46	31	104	39	0.95	502009010
8-CSH-13	13	5.3	16.5	56.5	56	42.5	128	47.5	1.8	502009013
8-CSH-16	16	8	21.5	70.5	60	54	150	56	3.4	502009016
8-CSH-20	20	12.5	24	77	79	58	180	59	6	502009020
8-CSH-22	22	15	26	91	101	62	213	72	10.4	502009022
8-CSH-26	26	21.2	30	117	115	75	250	101	14.5	502009026
8-CSH-32	32	31.5	35	150	140	88	317	124	27	502009032

## LATCH KITS FOR CLEVIS SLING HOOK



Item No.	Chain Size	Item No.	Chain Size
	mm		mm
8-SP-CSH-06	6	8-SP-CSH-20	18+20
8-SP-CSH-08	7+8	8-SP-CSH-22	22
8-SP-CSH-10	10	8-SP-CSH-26	26
8-SP-CSH-13	13	8-SP-CSH-32	32
8-SP-CSH-16	16	/	/



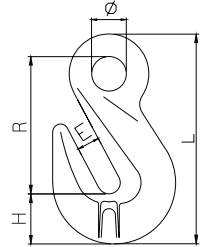


# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE CRADLE GRAB HOOK, EGK TYPE

- Used for shortening chain legs.
- Hook to be attached to the master link with the same connecting link as the chain.
- No reduction of working load limit due to supporting cradle in saddle of hook.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
Material: forged alloy steel  
Proof load: 2.5 times the Working Load Limit  
Safety factor: 4:1  
Surface finish: powder coated

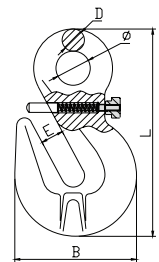


Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm		ton	E	Φ	H	R		
8-EGK-06	6	1.12	8	13.5	17.9	51.4	75.3	0.14	502010006
8-EGK-08	7+8	2	10.8	18	20	61.5	91.2	0.245	502010008
8-EGK-10	10	3.15	13	20	29	80	122	0.65	502010010
8-EGK-13	13	5.3	16.5	26	42.8	99.7	158	1.39	502010013
8-EGK-16	16	8	20	30.5	47.7	104	169	2.2	502010016
8-EGK-20	20	12.5	25	37.5	56	140	219	4.6	502010020
8-EGK-22	22	15	28	44	68	165	259	8.2	502010022
8-EGK-26	26	21.2	30	44	77	188.8	298	9.8	502010026
8-EGK-32	32	31.5	38	57	95	228	361	19.4	502010032

## GRADE 80 EYE CRADLE GRAB HOOK WITH SAFETY PIN, EGS TYPE

- Used for shortening chain legs.
- Hook to be attached to the master link with the same connecting link as the chain.
- No reduction of working load limit due to supporting cradle in saddle of hook.
- Hook with safety pin which prevents chain from falling out.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
Material: forged alloy steel  
Proof load: 2.5 times the Working Load Limit  
Safety factor: 4:1  
Surface finish: powder coated



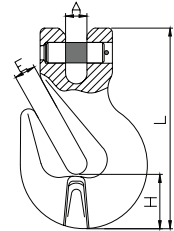
Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm		ton	Φ	B	D	E		
8-EGS-08	7+8	2	17	50	9.5	10.5	88.5	0.29	502011008
8-EGS-10	10	3.15	20	71	13	13	121.5	0.75	502011010
8-EGS-13	13	5.3	26	96	15.5	16.5	158	1.62	502011013
8-EGS-16	16	10	36	112.5	19	18.5	183	3	502011016

# GRADE 80 SLING COMPONENTS

## GRADE 80 CLEVIS CRADLE GRAB HOOK, CGK TYPE

- Used for shortening chain legs.
- No reduction of working load limit due to supporting cradle in saddle of hook.
- Lifting chain is attached directly to the hook without a connecting link.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

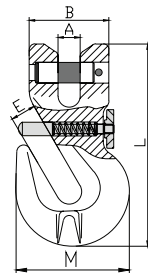


Item No.	Chain Size	WLL ton	Main Dimensions(mm)				Weight kg	Product Code
	mm		E	A	H	L		
8-CGK-06	6	1.12	8	8	17.7	77.3	0.25	502012006
8-CGK-08	7+8	2	10.5	9.5	18.5	89	0.32	502012008
8-CGK-10	10	3.15	13	12.5	29	126	0.73	502012010
8-CGK-13	13	5.3	16.5	15	42.7	163.5	1.6	502012013
8-CGK-16	16	8	19	18.5	45.4	183.5	2.8	502012016
8-CGK-20	20	12.5	24	23	56	219	5	502012020
8-CGK-22	22	15	27	27	68.5	254	6.3	502012022
8-CGK-26	26	21.2	30	30	77	309	14.5	502012026

## GRADE 80 CLEVIS CRADLE GRAB HOOK WITH SAFETY PIN, CGS TYPE

- Used for shortening chain legs.
- No reduction of working load limit due to supporting cradle in saddle of hook.
- Lifting chain is attached directly to the hook without a connecting link.
- Hook with safety pin which prevents chain from falling out.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



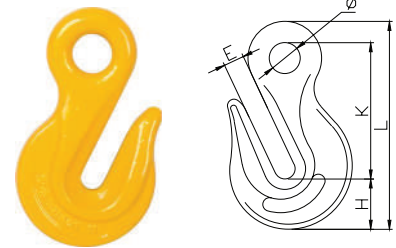
Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight kg	Product Code
	mm		A	B	E	M	L		
8-CGS-06	6	1.12	8	32	8	43.5	75	0.28	502013006
8-CGS-08	7+8	2	9.5	35	11	50	89	0.33	502013008
8-CGS-10	10	3.15	12.5	45.5	13	72	126.5	0.88	502013010
8-CGS-13	13	5.3	15	53	16.5	96	163.5	1.85	502013013
8-CGS-16	16	8	18.5	69.5	19	112.5	183.5	3.24	502013016

# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE GRAB HOOK, EGH TYPE

- Hooks are most often used for load securement with lashing chains.
- Not recommended for overhead lifting.
- Eye hooks feature a simple circular attachment point for rigging chains or other attachments.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: ASTM A952  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

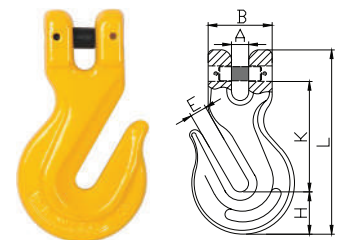


Item No.	Chain Size	WLL	Main Dimensions(Inch)					Weight	Product Code
	inch		lbs	E	Φ	H	K	L	
8-EGH-9/32	9/32 (1/4)	3500	0.37	0.59	0.91	2.52	3.86	0.60	502014007
8-EGH-3/8	3/8	7100	0.49	0.79	1.18	3.23	4.92	1.21	502014010
8-EGH-1/2	1/2	12000	0.67	0.98	1.65	4.17	6.50	2.87	502014013
8-EGH-5/8	5/8	18100	0.79	1.18	1.93	5.00	7.74	5.47	502014016
8-EGH-3/4	3/4	28300	0.90	1.36	2.20	5.98	9.12	8.38	502014020
8-EGH-7/8	7/8	34200	1.13	1.59	2.58	6.89	10.54	12.79	502014022

## GRADE 80 CLEVIS GRAB HOOK, CGH TYPE

- Hooks are most often used for load securement with lashing chains.
- Not recommended for overhead lifting.
- Clevis hooks feature a U-shaped attachment point to secure chains or other attachments.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: ASTM A952  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



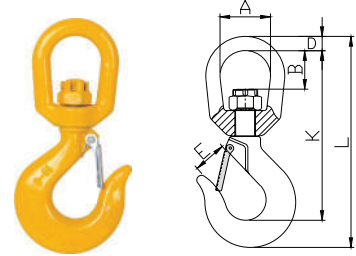
Item No.	Chain Size	WLL	Main Dimensions(mm)						Weight	Product Code
	inch		lbs	A	E	B	H	K	L	
8-CGH-07	9/32(1/4)	3500	9.5	9.5	41	23	65.3	106.5	0.31	502015007
8-CGH-10	3/8	7100	12.7	12.5	46	31	82	137	0.7	502015010
8-CGH-13	1/2	12000	16	16.7	61	43	113	184.5	1.8	502015013
8-CGH-16	5/8	18100	19.5	20	68.5	49	129.5	215	3.1	502015016
8-CGH-20	3/4	28300	24	24	88	58	152	254	4.1	502015020
8-CGH-22	7/8	34200	27	26	101	64.8	178	295	6.2	502015022

# GRADE 80 SLING COMPONENTS

## GRADE 80 SWIVEL HOOK, SWH TYPE

- Hook can be rotated to the desired position prior to lifting load.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

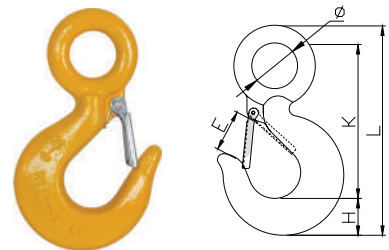


Item No.	Chain Size	WLL	Main Dimensions(mm)						Weight	Product Code
	mm	ton	A	E	B	D	K	L	kg	
8-SWH-06	6	1.12	32	17	22.5	9	109	137	0.34	502016006
8-SWH-08	7+8	2	42	21.5	35	15.8	150	192	1.02	502016008
8-SWH-10	10	3.15	42.5	26	35	15.8	162.5	208.5	1.24	502016010
8-SWH-13	13	5.3	48	32.5	39	18	191	246	2.33	502016013
8-SWH-16	16	8	62	43	53	25	243.5	313	4.66	502016016
8-SWH-20	20	12.5	68	49.5	51	28.5	276.5	363.5	7.4	502016020
8-SWH-22	22	15	79	54.5	65	32	332	431	10.6	502016022
8-SWH-26	26	21.2	105	81	114	40	429.5	545.5	21.4	502016026
8-SWH-32	32	31.5	105	100	96	40	465.3	596	32	502016032

## GRADE 80 EYE HOOK WITH LATCH, EHL TYPE

- Large eye to easily accommodate other fittings.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



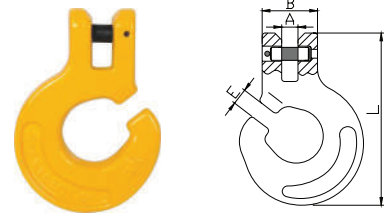
Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm	ton	Φ	E	H	K	L	kg	
8-EHL-06	6	1.12	19	22	20.5	82	112	0.27	502017006
8-EHL-08	7+8	2	28	25	26	104.5	142	0.6	502017008
8-EHL-10	10	3.15	31	27	28	120	163	0.84	502017010
8-EHL-13	13	5.3	39	35.5	40	146	203	1.81	502017013
8-EHL-16	16	8	51	44	45	187.5	255	3.35	502017016
8-EHL-20	20	12.5	62	55	57	231.5	317	6.1	502017020
8-EHL-22	22	15	73	57	66	262	360	9.6	502017022
8-EHL-26	26	21.2	89	83	79.6	318	434	16	502017026
8-EHL-32	32	31.5	90	95	91	360	495.5	25.8	502017032

# GRADE 80 SLING COMPONENTS

## GRADE 80 CLEVIS FOREST HOOK, CFK TYPE

- Allows an easy mounting and unhooking of the chain.
- Designed with a narrow throat opening to prevent the chain from slipping out.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

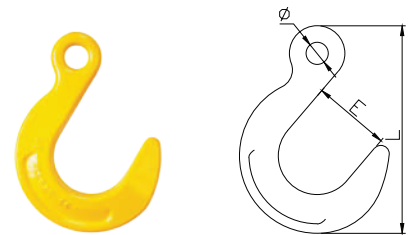


Item No.	Chain Size	WLL	Main Dimensions(mm)				Weight	Product Code
	mm		B	A	E	L		
8-CFK-06	6	1.12	31	8	8.5	83	0.286	502018006
8-CFK-08	7+8	2	35	9.5	9.8	95.5	0.413	502018008
8-CFK-10	10	3.15	44	13	13	137	0.92	502018010
8-CFK-13	13	5.3	53	16	16	165	1.75	502018013

## GRADE 80 EYE FOUNDRY HOOK, EFK TYPE

- Special purpose hook with large mouth opening.
- Suitable for lifting pipes and foundry use.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL	Main Dimensions(mm)			Weight	Product Code
	inch		E	Φ	L		
8-EFK-07	9/32(1/4)	3500	63.5	18	163	1.09	502019007
8-EFK-10	3/8	7100	76	22	200	2.03	502019010
8-EFK-13	1/2	12000	89	27	238	3.22	502019013
8-EFK-16	5/8	18100	102	32	278	5.26	502019016
8-EFK-20	3/4	28300	114.5	38	325	9.1	502019020
8-EFK-22	7/8	34200	127.5	45	361	11.3	502019022
8-EFK-26	1	48500	140	66.5	402	16.8	502019026
8-EFK-32	1-1/4	72750	153.5	81.5	461	26.6	502019032

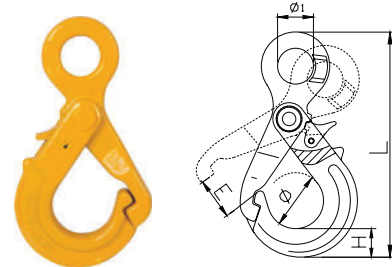


# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE SELF LOCKING HOOK WITH GRIP LATCH, NES TYPE

- NES type hooks will not open when under load as the latch closes automatically.
- Grip latch locks into point of hook, and provides further safety and stability.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

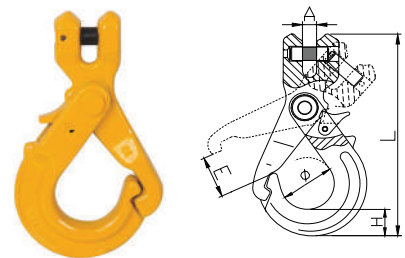


Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm	ton	φ1	H	E	L	φ	kg	
8-NES-08	7+8	2	25	22	34	164	40	0.68	502020008
8-NES-10	10	3.15	32	26	42	201.5	50	1.3	502020010
8-NES-13	13	5.3	40	31	50	243.4	60	2.06	502020013
8-NES-16	16	8	50	38	70	299	72	3.73	502020016

## GRADE 80 CLEVIS SELF LOCKING HOOK WITH GRIP LATCH, NCS TYPE

- Lifting chain is attached directly to the hook without a connecting link.
- NCS type hooks will not open when under load as the latch closes automatically.
- Grip latch locks into point of hook, and provides further safety and stability.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



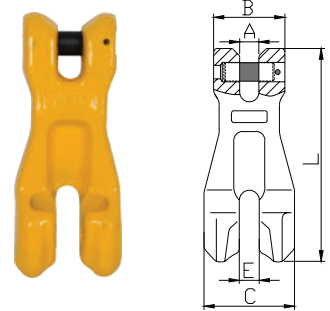
Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm	ton	A	H	E	L	φ	kg	
8-NCS-08	7+8	2	9.5	22	34	150	40	0.68	502021008
8-NCS-10	10	3.15	12.5	26	43	189	50	1.25	502021010
8-NCS-13	13	5.3	15	31	50	229	60	2.15	502021013
8-NCS-16	16	8	18.5	38	70	299	72	3.8	502021016

# GRADE 80 SLING COMPONENTS

## GRADE 80 SHORTENING CLUTCH, STC TYPE

- Used for shortening chain legs.
- Not recommended for using as the bottom fitting of sling.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

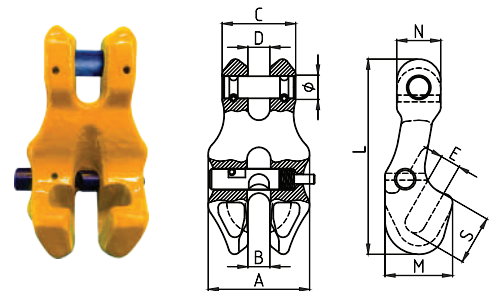


Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight	Product Code
	mm		A	B	C	E	L	kg	
8-STC-06	6	1.12	7.5	30	32.8	7.5	73.5	0.18	502022006
8-STC-08	7+8	2	9.5	36	45	9.5	101	0.45	502022008
8-STC-10	10	3.15	13	48	55	13	138	0.93	502022010
8-STC-13	13	5.3	16.5	59	75	16.5	177	1.88	502022013
8-STC-16	16	8	21	73	93	21	220	3.5	502022016
8-STC-20	18+20	12.5	23.5	81	102	23.5	238	4.43	502022020
8-STC-22	22	15	25.5	98	118	25.5	295	8.05	502022022

## GRADE 80 SHORTENING CLUTCH LOCKING TYPE, SCL TYPE

- Used for shortening chain legs.
- Additional locking pin to prevent chain from falling out.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



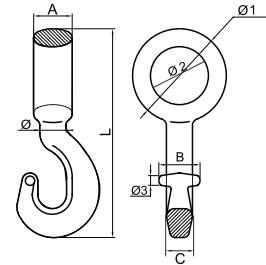
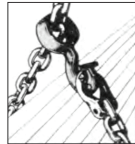
Item No.	Chain Size	WLL ton	Main Dimensions(mm)										Weight	Product Code
	mm		A	B	C	D	E	φ	L	M	N	S	kg	
8-SCL-06	6	1.12	38	7.5	27	7.5	7.5	7.7	73	27	16	20.9	0.25	502023006
8-SCL-08	8	2	50	9.5	33	9.5	9.2	9.2	92	33	23	22.6	0.41	502023008
8-SCL-10	10	3.15	60	11.5	43	11.5	12	13.3	115	42.2	26	31	0.82	502023010
8-SCL-13	13	5.3	79	15	55	15	15.5	16.3	149	54	34	38.4	1.67	502023013
8-SCL-16	16	8	98	19	70	19	18.5	19.7	184	70	40	49.8	3.85	502023016

# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE CHOKE HOOK, ECK TYPE

- Used with OML type omega link to form choker with chain.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

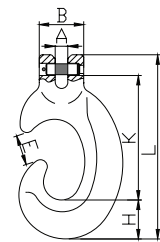


Item No.	Chain Size	WLL	Main Dimensions(mm)								Weight	Product Code
	mm	ton	A	B	C	φ	φ1	φ2	φ3	L	kg	
8-ECK-08	7+8	2	19	28	16.5	17	52	30.5	7.5	123	0.36	502024008
8-ECK-10	10	3.2	26	40	17.5	20	68	39	8	157	0.72	502024010
8-ECK-13	13	5.4	34	43	21	25	87	53	10	196.5	1.4	502024013
8-ECK-16	16	8.2	51	45.5	31	30	108	64	10.5	246	3.17	502024016
8-ECK-18	18	10	49.5	53	33.5	33.5	121	75	12	268.6	3.8	502024018
8-ECK-20	20	12.6	70	80	44	52	146	84	14	367	8.95	502024020
8-ECK-26	26	21.2	80	80	44	60	180	100	24.3	417	16.65	502024026

## GRADE 80 CLEVIS C HOOK, CCK TYPE

- The hook tip is shaped to prevent accidental unhooking when not under load.
- Lifting chain is attached directly to the hook without a connecting link.
- Only for applications without safety catch requirement.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



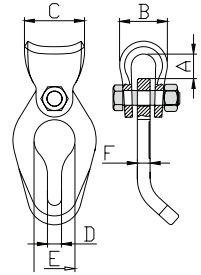
Item No.	Chain Size	WLL	Main Dimensions(mm)						Weight	Product Code
	mm	ton	A	E	B	H	K	L	kg	
8-CCK-08	7+8	2	9.5	20	35	28	90	136	0.57	502025008
8-CCK-10	10	3.15	13	29.5	46	39.5	127	189	1.4	502025010
8-CCK-13	13	5.3	16.5	39.5	59	52	166.5	246	3	502025013
8-CCK-16	16	8	18.5	46.5	72	59	206	298	5.42	502025016

# GRADE 80 SLING COMPONENTS

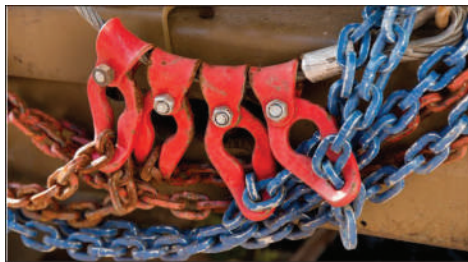
## GRADE 80 CHAIN AND WIRE ROPE CONNECTOR, CRC TYPE

- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- For log pulling only - not for lifting.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



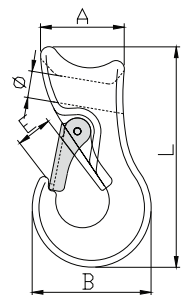
Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight	Product Code
	mm		A	B	C	D	E	F	kg	
8-CRC-06	6	1.4	20	42	49	10	30	8	0.53	502026006
8-CRC-08	7+8	2	20	42	49	11.5	33.5	10.5	0.65	502026008
8-CRC-10	10	3.15	21.5	47	57	13	40	10.5	1	502026010



## GRADE 80 SLIDING CHOKE HOOK, SCH TYPE

- Designed to secure a load by hitching the synthetic sling, wire rope sling or chain sling around the load circumference.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



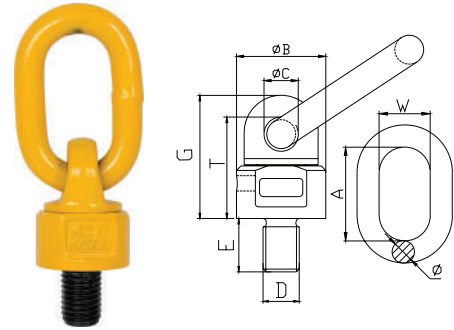
Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight	Product Code
	inch		Φ	A	B	E	L	kg	
8-SCH-13	3/8-1/2	1.6	17	50	71	18	132	0.68	502027013
8-SCH-16	5/8	2	22	63.5	79	20	151.3	1.21	502027016
8-SCH-20	3/4	3	28	69	103	26	170	1.99	502027020
8-SCH-26	1	5	32.5	85.7	135	33	213	4.18	502027026

# GRADE 80 SLING COMPONENTS

## GRADE 80 LIFTING SWIVEL, LTS TYPE

- Compact and light-weight design with metric threads.
- The swivel must only be fitted on the assembly for the use of lifting.
- The swivel can also be used as lashing point for the fixture of lashing.
- Allow for 360° rotation and the lifting eye can turn to the direction of the load up to 180°.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Size	WLL/T(4:1)		Main Dimensions(mm)								Weight kg	Product Code
		WLL 90°	WLL 0°	DxE	ΦB	ΦC	G	T	A	W	Φ		
8-LTS-08013	M8	0.3	0.6	M8X13	36	16.5	52	41	55	30	14	0.45	50202808013
8-LTS-10018	M10	0.5	1	M10X18	36	16.5	52	41	55	30	14	0.45	50202810018
8-LTS-12018	M12	0.5	1	M12X18	36	16.5	52	41	55	30	14	0.46	50202812018
8-LTS-12045	M12X45	0.5	1	M12X45	36	16.5	52	41	55	30	14	0.48	50202812045
8-LTS-12110	M12X110	0.5	1	M12X110	36	16.5	52	41	55	30	14	0.54	50202812110
8-LTS-14020	M14	1.12	2.24	M14X20	36	16.5	52	41	55	30	14	0.49	50202814020
8-LTS-16020	M16	1.12	2.24	M16X20	36	16.5	52	42	55	30	14	0.47	50202816020
8-LTS-16120	M16X120	1.12	2.24	M16X120	36	16.5	52	42	55	30	14	0.63	50202816120
8-LTS-18030	M18	2	4	M18X30	49.5	19	69	56	70	35	16	0.95	50202818030
8-LTS-20030	M20	2	4	M20X30	49.5	19	69	56	70	35	16	0.99	50202820030
8-LTS-20040	M20X40	2	4	M20X40	49.5	19	69	56	70	35	16	1.02	50202820040
8-LTS-20120	M20X120	2	4	M20X120	49.5	19	69	56	70	35	16	1.21	50202820120
8-LTS-24030	M24	3.15	6.3	M24X30	57	22	78	65.5	85	40	18	1.33	50202824030
8-LTS-24090	M24X90	3.15	6.3	M24X90	57	22	78	65.5	85	40	18	1.54	50202824090
8-LTS-24120	M24X120	3.15	6.3	M24X120	57	22	78	65.5	85	40	18	1.65	50202824120
8-LTS-27035	M27	3.15	6.3	M27X35	57	22	78	65.5	85	40	20	1.47	50202827035
8-LTS-30035	M30(5T)	5.3	10.6	M30X35	66	23.5	96.5	80.5	85	40	20	2.3	50202830035
8-LTS-30045	M30X45	5.3	10.6	M30X45	66	23.5	96.5	80.5	85	40	20	2.35	50202830045
8-LTS-30120	M30X120	5.3	10.6	M30X120	66	23.5	96.5	80.5	85	40	20	2.77	50202830120
8-LTS-30035A	M30(8T)	8	12.8	M30X35	80	28	112	92	115	50	22	3.73	50202830035A
8-LTS-30038A	M30X38	8	12.8	M30X38	80	28	112	92	115	50	22	3.79	50202830038A
8-LTS-30120A	M30X120	8	12.8	M30X120	80	28	112	92	115	50	22	4.21	50202830120A
8-LTS-36050	M36	8	12.8	M36X50	80	27	109	89.5	115	50	22	3.88	50202836050
8-LTS-36090	M36X90	8	12.8	M36X90	80	27	109	89.5	115	50	22	4.19	50202836090
8-LTS-36128	M36X128	8	12.8	M36X128	80	27	109	89.5	115	50	22	4.5	50202836128
8-LTS-36400	M36X400	8	12.8	M36X400	80	27	109	89.5	115	50	22	6.67	50202836400
8-LTS-39050	M39	8	12.8	M39X50	80	27	109	89.5	115	50	22	3.95	50202839050
8-LTS-39090	M39X90	8	12.8	M39X90	80	27	109	89.5	115	50	22	3.71	50202839090
8-LTS-42050	M42	10	16	M42X50	80	27	109	89.5	115	50	25	4.46	50202842050
8-LTS-48050	M48	10	16	M48X50	80	27	109	89.5	115	50	25	4.62	50202848050
8-LTS-56084	M56	15	24	M56X84	117	42	246	214	152	70	32	11.8	50202856084
8-LTS-64095	M64	15	24	M64X95	117	42	257	225	152	70	32	12.5	50202864095



# GRADE 80 SLING COMPONENTS

## GRADE 80 SWIVEL LIFTING POINT, SLP TYPE

- Compact and light-weight design with metric threads.
- Rotates through 360° and pivots 90°.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

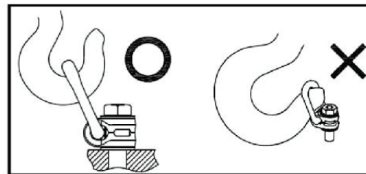
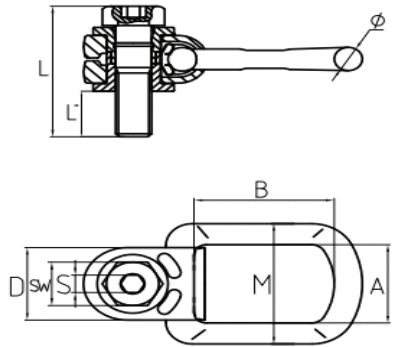


Figure 1

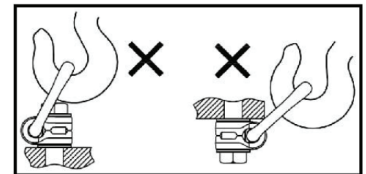


Figure 2

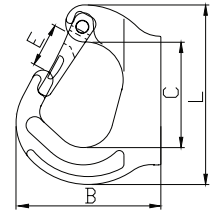
Item No.	Size	WLL ton	Main Dimensions(mm)									Weight kg	Product Code
	mm		A	B	D	S	SW	M	L	L'	Φ		
8-SLP-08010	M8	0.3	35	52.5	30	6	13	45	46	10.4	14	0.36	50202908010
8-SLP-10016	M10	0.63	35	52.5	30	6	17	45	52	16	14	0.38	50202910016
8-SLP-12018	M12	1	40	54	36	8	19	68	62	18	18	0.71	50202912018
8-SLP-14021	M14	1.2	40	54	36	8	19	68	66	21	18	0.72	50202914021
8-SLP-16024	M16	1.5	40	54	36	8	19	68	70	24	18	0.74	50202916024
8-SLP-18026	M18 X 26	2	54	80	50	12	30	83	83	26	16	1.16	50202918026
8-SLP-20030	M20	2.5	54	80	50	12	30	83	88	30	16	1.19	50202920030
8-SLP-20055	M20 X55	2.5	54	80	50	12	30	83	113	55	16	1.21	50202920055
8-SLP-20060	M20 X60	2.5	54	80	50	12	30	83	118	60	16	1.25	50202920060
8-SLP-24035	M24 X35	4	54	94	50	14	36	83	95	35	18	1.35	50202924035
8-SLP-24040	M24 X40	4	54	94	50	14	36	83	100	40	18	1.38	50202924040
8-SLP-24060	M24 X60	4	54	94	50	14	36	83	120	60	18	1.46	50202924060
8-SLP-27038	M27	4	73	106	68	17	41	120	120	38	27	4.18	50202927038
8-SLP-30048	M30	5	73	106	68	17	41	120	132	48	27	4.2	50202930048
8-SLP-30070	M30 X 70	5	73	106	68	17	41	120	154	70	27	4.4	50202930070
8-SLP-36054	M36 X 54	7	73	106	68	22	41	120	142	54	27	4.65	50202936054
8-SLP-36070	M36 X 70	7	73	106	68	22	55	120	158	70	27	4.8	50202936070
8-SLP-36062A	M36 X 62	8	94	140.5	86	22	55	156	163	62	31	7.6	50202936062A
8-SLP-42072	M42	10	94	140.5	86	24	65	156	176	72	31	8.2	50202942072
8-SLP-42063A	M42 X 63	15	104	155	95	24	65	176	179	63	40	12.4	50202942063A
8-SLP-48074	M48 X 74	20	104	155	95	27	75	176	194	74	40	13	50202948074

# GRADE 80 SLING COMPONENTS

## GRADE 80 WELD ON HOOK, WOH TYPE

- Designed to be a permanent sling attachment point for jibs and arms on mobile excavators.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 5:1  
 Surface finish: powder coated

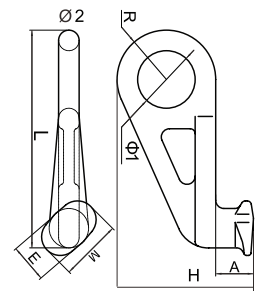


Item No.	WLL	Main Dimensions(mm)				Weight	Product Code
	ton	B	C	E	L	kg	
8-WOH-01	1	77.6	61.3	25	101.6	0.49	502030001
8-WOH-02	2	92	67	28	114	0.87	502030002
8-WOH-03	3	106	73.5	30	129	1.13	502030003
8-WOH-05	5	133	94	39	171	2.5	502030005
8-WOH-08	8	137	94	36	177	3.26	502030008
8-WOH-10	10	170	135	48	223	5.2	502030010

## GRADE 80 CONTAINER HOOK, CTK TYPE

- Large eye allows for easy connection to most hooks.
- Left and right hand configurations as well as a straight configuration are available.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

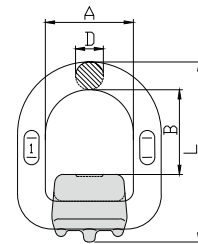


Item No.	WLL	Main Dimensions(mm)								Weight	Product Code
	ton	A	M	H	E	R	Ø1	Ø2	L	kg	
8-CTK-S	12.5	46	75	166	46	60	70	25	265	4.125	502031001
8-CTK-L	12.5	46	75	166	46	60	70	25	265	4.125	502031002
8-CTK-R	12.5	46	75	166	46	60	70	25	265	4.125	502031003

# GRADE 80 SLING COMPONENTS

- Welded on plain surfaces as a lifting point, or to be used as a fixed anchor point for spreader beam attachment.
- Can also be used as an anchor point for load restraint applications.
- DRS type is equipped with a spring which enables the D ring to stay in the desired position.
- Quenched & tempered.
- 100% Magnaflex Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

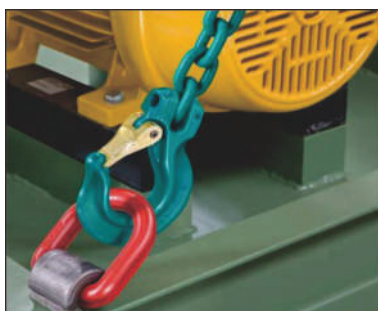
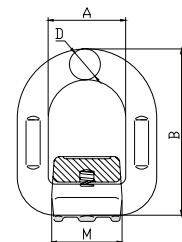


## GRADE 80 D RING WITH WRAP, DRW TYPE

Item No.	WLL	Main Dimensions(mm)				Weight	Product Code
	ton	A	B	D	L	kg	
8-DRW-1	1	41	39	13	84	0.2	502032001
8-DRW-2	2	42.5	40	14	86	0.44	502032002
8-DRW-3	3	45	47	17	100	0.67	502032003
8-DRW-5	5	55	57	21	126	1.15	502032005

## GRADE 80 D RING WITH SPRING, DRS TYPE

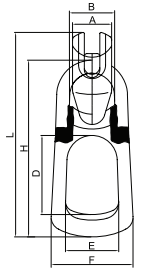
Item No.	WLL	Main Dimensions(mm)				Weight	Product Code
	ton	A	B	D	M	kg	
8-DRS-1	1.12	41	78.5	13	38	0.47	502033001
8-DRS-2	2	42	88	14	40	0.51	502033002
8-DRS-3	3.15	46	94	17	43	0.69	502033003
8-DRS-5	5.3	55	118	22	61	1.46	502033005
8-DRS-8	8	70	141	26.5	70.5	2.52	502033008
8-DRS-10	10	85	165	28	76	3.59	502033010
8-DRS-15	15	97	188	34	90	5.79	502033015



# GRADE 80 SLING COMPONENTS

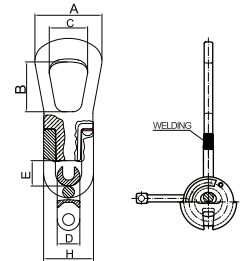
- Designed for lifting pre-cast concrete products like panels, pipes, columns, etc.
- LTR type lifting clutch with locking bolt is designed for safety and fast connection / removal.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1 for LTC type;  
 5:1 for LTR type  
 Surface finish: powder coated or zinc plated



## GRADE 80 LIFTING CLUTCH, LTC TYPE

Item No.	WLL	Main Dimensions(mm)							Weight	Product Code
	ton	A	B	D	E	F	H	L	kg	
8-LTC-013	1-1.3	33	42	70.5	45	73	160	186	0.89	502034013
8-LTC-025	1.5-2.5	41	49	85	57	88	188	227	1.3	502034025
8-LTC-050	3-5	55	70	88	69	110	242	282	3.24	502034050
8-LTC-100	6-10	73	92	116	83	161	342	391	10.01	502034100
8-LTC-200	12-20	110	114.5	133.5	107.5	182	437	497	20.37	502034200



## GRADE 80 LIFTING CLUTCH, LTR TYPE

Item No.	WLL	BL	Main Dimensions(mm)						Weight	Product Code
	ton	ton	A	B	C	D	H	E	kg	
8-LTR-025	2.5	12.5	95	70	58.8	27	58	35	1.58	502035025
8-LTR-050	5	25	117	85	66.2	37	82	45	3.58	502035050
8-LTR-100	10	50	148	110	84.6	50	110	56	9	502035100



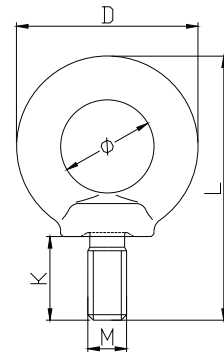
# GRADE 80 SLING COMPONENTS

- Sizes are based on DIN 580 eye bolt and DIN 582 eye nut.
- WLL for vertical lifting is marked on the eye.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

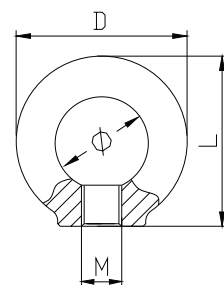
## GRADE 80 EYE BOLT, EBL TYPE

Item No.	Size mm	WLL/T		Main Dimensions(mm)				Weight kg	Product Code
		WLL 0°	WLL 90°	D	K	Φ	L		
8-EBL-06	M6	0.4	0.15	28	13	16	42	0.05	502036006
8-EBL-08	M8	0.8	0.4	36	15	20	51	0.06	502036008
8-EBL-10	M10	1	0.4	45	18	25	63	0.11	502036010
8-EBL-12	M12	2	0.75	54	22	30	75	0.18	502036012
8-EBL-14	M14	3	1	63	28	35	89.5	0.28	502036014
8-EBL-16	M16	4	1.5	63	28	35	90	0.28	502036016
8-EBL-18	M18	5	2	72	30	40	101	0.42	502036018
8-EBL-20	M20	6	2.3	72	30	40	101	0.45	502036020
8-EBL-22	M22	7	2.8	81	35	45	115.5	0.67	502036022
8-EBL-24	M24	8	3.2	90	38	50	128	0.87	502036024
8-EBL-27	M27	10	4	90	38	50	128	0.87	502036027
8-EBL-30	M30	12	4.5	108	45	60	154	1.66	502036030
8-EBL-33	M33	14	5	108	45	60	154	1.72	502036033
8-EBL-36	M36	16	7	126	55	70	183	2.65	502036036
8-EBL-39	M39	20	8	126	55	70	183	2.8	502036039
8-EBL-42	M42	24	9	144	65	80	212	4.03	502036042
8-EBL-45	M45	28	10	144	65	80	212	4.25	502036045
8-EBL-48	M48	32	12	166	70	90	238	6.38	502036048
8-EBL-52	M52	36	13.5	166	70	90	238	6.6	502036052
8-EBL-56	M56	40	15	184	80	100	267	8.8	502036056
8-EBL-64	M64	50	17	206	90	110	293	12.4	502036064



## GRADE 80 EYE NUT, ENT TYPE

Item No.	Size mm	WLL/T(4:1)		Main Dimensions(mm)			Weight kg	Product Code
		WLL 0°	WLL 90°	D	• •	L		
8-ENT-06	M6	0.4	0.15	36	20	36	0.05	502037006
8-ENT-08	M8	0.8	0.4	36	20	36	0.05	502037008
8-ENT-10	M10	1	0.4	45	25	45	0.09	502037010
8-ENT-12	M12	2	0.75	54	30	53	0.16	502037012
8-ENT-14	M14	3	1	63	35	62	0.24	502037014
8-ENT-16	M16	4	1.5	63	35	62	0.24	502037016
8-ENT-18	M18	5	2	72	40	71	0.34	502037018
8-ENT-20	M20	6	2.3	72	40	71	0.36	502037020
8-ENT-22	M22	7	2.8	81	45	81	0.58	502037022
8-ENT-24	M24	8	3.2	90	50	90	0.72	502037024
8-ENT-27	M27	10	4	90	50	90	0.72	502037027
8-ENT-30	M30	12	4.5	108	60	109	1.32	502037030
8-ENT-33	M33	14	5	108	60	109	1.29	502037033
8-ENT-36	M36	16	7	126	70	128	2.09	502037036
8-ENT-39	M39	20	8	126	70	128	2.09	502037039
8-ENT-42	M42	24	9	144	80	147	3.11	502037042
8-ENT-45	M45	28	10	144	80	147	3.05	502037045
8-ENT-48	M48	32	12	166	90	168	5.02	502037048
8-ENT-52	M52	36	13.5	166	90	168	4.94	502037052
8-ENT-56	M56	40	15	184	100	187	6.69	502037056
8-ENT-64	M64	50	17	206	110	208	9.3	502037064



Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments

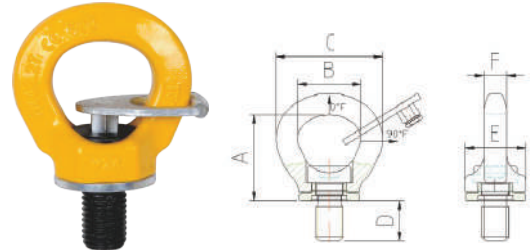


# GRADE 80 SLING COMPONENTS

## GRADE 80 EYE BOLT WITH KEY, EBK TYPE

- Rotates through 360° adjustable in the direction of the load.
- Can be fixed in position by the key.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

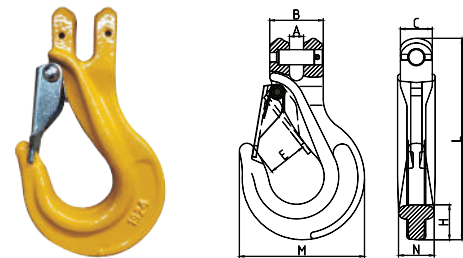


Item No.	Size mm	WLL/T		Main Dimensions(mm)						Weight kg	Product Code
		WLL 0°	WLL 90°	A	B	C	D	E	F		
8-EBK-08	M8	0.8	0.3	38	26	45.3	11.5	25	8	0.11	502038008
8-EBK-10	M10	1	0.4	38	26	45.3	14	25	8	0.12	502038010
8-EBK-12	M12	2	0.75	43.5	32	54	17	33	10	0.2	502038012
8-EBK-16	M16	4	1.5	52	37.5	63.5	24	36	14	0.35	502038016
8-EBK-20	M20	6	2.3	63	44.5	78.5	30	47.5	20.6	0.66	502038020
8-EBK-24	M24	8	3.2	74	51.6	92	35.3	53	20	1.1	502038024
8-EBK-30	M30	12	4.5	92	65	118	45	68	24	2.07	502038030
8-EBK-36	M36	16	7	105	76	136	56.8	82	30	4	502038036

## GRADE 80 CLEVIS SLING HOOK WITH RIDGE, CSR TYPE

- Comes with spring-loaded safety latch.
- Lifting chain is attached directly to the hook without a connecting link.
- Forged ridge on the hook body protects the latch against snagging.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



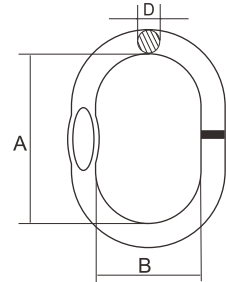
Item No.	Chain Size mm	WLL ton	Main Dimensions(mm)								Weight kg	Product Code
			A	B	C	E	M	N	H	L		
8-CSR-06	6	1.12	8	28.8	18	23	66	15.5	19.2	112.2	0.30	502039006
8-CSR-08	7+8	2	9	33	20	26	84	20	24.8	140	0.59	502039008
8-CSR-10	10	3.15	12	44	25.5	33	103	24	28	147.5	1.19	502039010
8-CSR-13	13	5.3	15	57	34	40	133.3	38	38	213.6	2.32	502039013
8-CSR-16	16	8	18.5	67	41.5	44	161	41.5	41	250	3.82	502039016
8-CSR-20	20	12.5	23	80	51	53	187	48	50	292	6.77	502039020

# GRADE 80 SLING COMPONENTS

- Master link: link forming the upper terminal of a sling by means of which the sling is attached to the hook of a crane or other lifting machine.
- Intermediate master link: link used to connect one or two legs of a sling to a master link.
- Master link assembly: assembly consisting of a master link together with two intermediate master links.
- Designed for use with steel wire rope or grade 80 alloy steel chain.
- For overhead lifting application.

## GRADE 80 EUROPEAN TYPE WELDED MASTER LINK, MLU TYPE

Standard: EN1677  
 Material: alloy steel — quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1



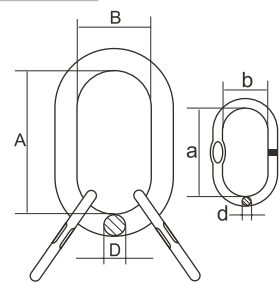
\*Engineered flat for use with omega link.

Item No.	WLL	Main Dimensions(mm)			Weight	Product Code
	ton	A	B	D	kg	
8-MLU-0706	1.6	110	60	13	0.34	5020400706
8-MLU-0807	2.12	110	60	16	0.54	5020400807
8-MLU-1008	3.15	135	75	18	0.823	5020401008
8-MLU-1310	5.3	160	90	22	1.5	5020401310
8-MLU-1613	8	180	100	26	2.32	5020401613
8-MLU-1816	11.2	200	110	32	3.95	5020401816
8-MLU-2018	14	260	140	36	6.34	5020402018
8-MLU-2220	17	300	160	40	8.96	5020402220
8-MLU-2622	21.2	340	180	45	12.8	5020402622
8-MLU-3226	31.5	350	190	50	16.55	5020403226
8-MLU-3632	45	400	200	56	23.28	5020403632
8-MLU-4036	56	430	220	63	32	5020404036
8-MLU-0072	63	460	250	72	45.76	5020400072

\* 8-MLU-2622 and above are forged.

## GRADE 80 EUROPEAN TYPE WELDED MASTER LINK ASSEMBLY, MAU TYPE

Standard: EN1677  
 Material: alloy steel — quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1



\*Engineered flat for use with omega link.

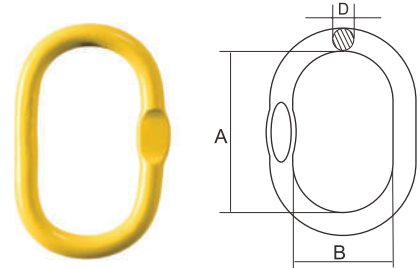
Item No.	Chain Size	WLL	Main Dimensions(mm)						Weight	Product Code
	mm	ton	A	B	D	a	b	d	kg	
8-MAU-06	6	2.36	135	75	18	54	25	13	1.18	502041006
8-MAU-07	7	3.15	135	75	18	60	38	13	1.24	502041007
8-MAU-08	8	4.25	160	90	22	70	34	16	2.2	502041008
8-MAU-10	10	6.7	180	100	26	85	40	18	3.4	502041010
8-MAU-13	13	11.2	200	110	32	115	50	22	6.1	502041013
8-MAU16	16	17	260	140	36	140	65	26	9.98	502041016
8-MAU-18	18	21.2	340	180	45	180	100	32	18.9	502041018
8-MAU-20	20	26.5	350	190	50	180	100	32	23.7	502041020
8-MAU-22	22	31.5	350	190	50	180	100	36	25.2	502041022
8-MAU-26	26	45	400	200	56	180	100	40	35.2	502041026
8-MAU-28	28	50	430	220	63	180	100	45	47	502041028
8-MAU-32	32	67	460	250	72	200	110	50	66.46	502041032

- 8-MAU-06 ~ 8-MAU-18: main link welded; sub link welded.
- 8-MAU-20 and above: main link forged; sub link welded.

# GRADE 80 SLING COMPONENTS

## GRADE 80 FORGED MASTER LINK, MKE TYPE

Material: alloy steel — quenched and tempered  
Surface finish: powder coated  
Safety factor: 4:1

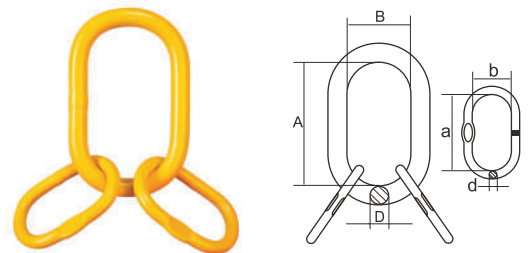


\*Engineered flat for use with omega link.

Item No.	WLL/T	B.L./T	Main Dimensions(mm)			Weight kg	Product Code
			A	B	D		
8-MKE-0006	1.25	5	100	60	11	0.23	5020420006
8-MKE-0708	3.2	12.8	120	70	14	0.44	5020420708
8-MKE-1008	4	16	140	80	17	0.76	5020421008
8-MKE-0013	6.3	25.2	150	90	19	1.03	5020420013
8-MKE-1310	8	32	160	95	22	1.5	5020421310
8-MKE-0016	11.5	46	180	110	25	2.17	5020420016
8-MKE-1613	15	60	190	105	28	2.84	5020421613
8-MKE-0019	17	68	200	120	30	3.5	5020420019
8-MKE-2216	20	80	240	140	32	5.32	5020422216
8-MKE-0026	25	100	250	150	38	7.04	5020420026
8-MKE-2619	30	120	250	150	40	7.86	5020422619
8-MKE-3222	37	148	300	180	45	11.82	5020423222
8-MKE-3226	43	172	300	200	50	15.2	5020423226
8-MKE-3632	56	224	350	200	55	20.54	5020423632
8-MKE-4536	70	280	375	210	60	26.15	5020424536

## GRADE 80 FORGED MASTER LINK ASSEMBLY, MAE TYPE

Material: alloy steel — quenched and tempered  
Surface finish: powder coated  
Safety factor: 4:1



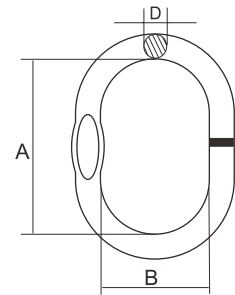
\*Engineered flat for use with omega link.

Item No.	WLL/T	B.L./T	Main Dimensions(mm)						Weight kg	Product Code
			A	B	D	a	b	d		
8-MAE-0006	3.1	12.4	130	60	14	54	25	12	0.6	502043006
8-MAE-0708	4.6	18.4	160	90	20	60	35	13	1.6	502043008
8-MAE-0010	7.8	31.2	195	110	25	80	40	16	3.08	502043010
8-MAE-0013	14	56	240	140	32	90	50	22	6.5	502043013
8-MAE-0016	24.8	99.2	270	140	40	140	70	28	11.6	502043016
8-MAE-1820	33.3	133.2	300	155	45	180	100	32	17	502043020
8-MAE-0022	37.1	148.4	350	190	50	180	100	40	26.4	502043022
8-MAE-0026	50	200	410	220	60	200	110	45	42.3	502043026
8-MAE-0032	74.8	299.2	420	250	70	200	110	50	61	502043032

# GRADE 80 SLING COMPONENTS

## GRADE 80 US TYPE WELDED MASTER LINK, WML TYPE

Standard: ASTM A952  
 Material: alloy steel — quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2 times the Working Load Limit  
 Safety factor: 4:1

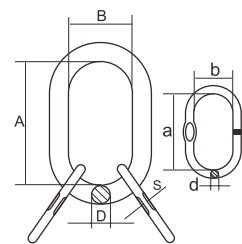


\*Engineered flat for use with omega link.

Item No.	Chain Size	WLL/T			Main Dimensions(mm)			Weight	Product Code
	inch	1 leg	2 legs(0-45°)	Rope	A	B	D	kg	
8-WML-12	1/4	1.12	1.6	1.6	100	60	12	0.27	502044012
	9/32	1.5	/						
8-WML-14	9/32	1.5	2.12	2.5	100	60	14	0.38	502044014
	5/16	2	/						
8-WML-18	5/16	2	2.8	4	160	90	18	0.85	502044018
	3/8	3.15	/						
8-WML-20	3/8	3.15	4.25	6.5	160	90	20	1.2	502044020
	1/2	5.3	/						
8-WML-22	1/2	5.3	7.5	8	180	100	22	1.63	502044022
	5/8	8	/						
8-WML-25	5/8	8	11.2	11.5	180	100	25	2.13	502044025
	3/4	11.2	/						
8-WML-28	3/4	12.5	/	11.8	270	140	28	3.81	502044028
8-WML-32	3/4	11.2	16	16	270	140	32	5.05	502044032
	7/8	15	/						
8-WML-36	7/8	15	21.2	24	285	155	36	6.83	502044036
	1	21.2	/						
8-WML-40	1-1/8	25	/	25	300	160	40	8.9	502044040
8-WML-45	1	21.2	30	31.5	340	180	45	12.8	502044045
	1-1/4	31.5	/						
8-WML-51	1-1/4	31.5	45	45	390	215	51	17.3	502044051

## GRADE 80 US TYPE WELDED MASTER LINK ASSEMBLY, WMA TYPE

Standard: ASTM A952  
 Material: alloy steel — quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2 times the Working Load Limit  
 Safety factor: 4:1



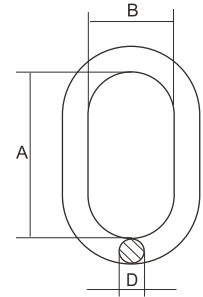
\*Engineered flat for use with omega link.

Item No.	Chain Size	WLL/T		Main Dimensions(mm)							Weight	Product Code
	inch	3 or 4 legs (0-45°)	5:1	A	B	D	a	b	d	s	kg	
8-WMA-14	7/32	2.36	2.4	100	60	14	85	40	12	6	0.82	502045014
8-WMA-18	1/4	3.15	3.2	160	90	18	100	60	14	7.6	1.6	502045018
8-WMA-20	5/16	4.25	4.2	160	90	20	100	60	14	7.6	1.95	502045020
8-WMA-22	3/8	6.7	8	180	100	22	150	70	18	8.4	3.16	502045022
8-WMA-28	1/2	11.2	12	270	140	28	160	90	22	13.5	6.75	502045028
8-WMA-32	5/8	17	17	270	140	32	180	100	25	16.5	9.31	502045032
8-WMA-40	3/4	23.6	25	300	160	40	270	140	31	19	18.4	502045040
8-WMA-45	7/8	31.5	31.5	340	180	45	285	155	36	22	26.6	502045045
8-WMA-50	1	45	45	350	190	51	340	180	45	25	42.91	502045050

# GRADE 80 SLING COMPONENTS

## GRADE 80 US TYPE FORGED MASTER LINK, MLK TYPE

Standard: ASTM A952  
 Material: alloy steel — quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2 times the Working Load Limit  
 Safety factor: 4:1

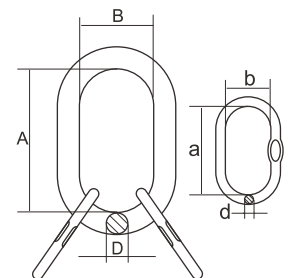


\*Engineered flat for use with omega link.

Item No.	Chain Size	WLL/T			Main Dimensions(mm)			Weight kg	Product Code
		inch	1 leg	2 legs(0-45°)	Rope	A	B		
8-MLK-13	1/4	1.5	2.12	3.4	127	63.5	13	0.36	502046013
	5/16	2	2.8						
8-MLK-16	5/16	2	2.8	4	152	76	16	0.7	502046016
	3/8	3.15	/						
8-MLK-19	3/8	3.15	4.25	5.6	140	70	19	0.93	502046019
8-MLK-22	3/8	3.15	4.25	6.9	160	90	22	1.5	502046022
	1/2	5.3	/						
8-MLK-25	1/2	5.3	7.5	11.8	178	89	25	2.1	502046025
	5/8	8	11.2						
8-MLK-32	5/8	8	11.2	17.7	222	111	32	4.24	502046032
	3/4	11.2	16						
8-MLK-38	3/4	11.2	16	27.7	267	135	38	7.17	502046038
	7/8	15	21.2						
8-MLK-44	7/8	15	21.2	38.5	305	152	45	11.55	502046044
	1	21.2	/						
8-MLK-51	1	21.2	30	46.5	355	178	51	17.2	502046051
	1-1/4	31.5	/						
8-MLK-57	1-1/4	31.5	45	64.9	406	203	57	24.5	502046057
8-MLK-63	/	/	/	72.6	406	203	63.5	30.9	502046063
8-MLK-70	/	/	/	98.4	406	241	70	39.5	502046070
8-MLK-76	/	/	/	103	457	228	76	50.34	502046076
8-MLK-82	/	/	/	119	508	254	82.5	65.68	502046082
8-MLK-89	/	/	/	126	610	305	89	90.24	502046089
8-MLK-95	/	/	/	152	508	254	95	89.27	502046095
8-MLK-101	/	/	/	169	508	254	102	103.43	502046101
8-MLK-108	/	/	/	176	610	305	108	137	502046108
8-MLK-115	/	/	/	184	710	355	115	178	502046115
8-MLK-120	/	/	/	206	710	355	120	196	502046120
8-MLK-127	/	/	/	226	760	380	127	234	502046127

## GRADE 80 US TYPE FORGED MASTER LINK ASSEMBLY, MLA TYPE

Standard: ASTM A952  
 Material: alloy steel — quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2 times the Working Load Limit  
 Safety factor: 4:1



\*Engineered flat for use with omega link.

Item No.	Chain Size	WLL/T	Main Dimensions(mm)						Weight kg	Product Code
			inch	3 or 4 leg(0-45°)	A	B	D	a		
8-MLA-19	1/4	3.15	140	70	20	85	40	14	1.55	502047019
	5/16	4.25								
8-MLA-22	5/16	4.25	160	95	22	85	40	14	2.18	502047022
	3/8	6.7								
8-MLA-25	3/8	6.7	178	89	25	100	60	18	3.29	502047025
8-MLA-32	1/2	11.2	220	110	32	100	60	22	7.18	502047032
	5/8	17								
8-MLA-38	5/8	17	267	135	38	180	100	30	12.91	502047038
	3/4	23.6								
8-MLA-44	3/4	23.6	305	152	45	180	100	32	21.25	502047044
	7/8	31.5								
8-MLA-51	7/8	31.5	356	178	50	180	100	38	30.34	502047051
8-MLA-64	1	45	406	203	64	355	178	50	64.4	502047064
8-MLA-70	1-1/4	67	406	241	70	406	203	60	94.1	502047070



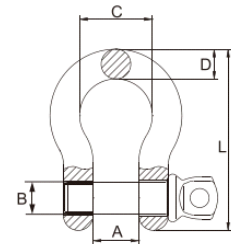
# GRADE 80 SLING COMPONENTS

- For lifting application.
- Forged-quenched and tempered.

Material: alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 5 times of Working Load Limit  
 Surface finish: self coloured / electro galvanized / H.D.G. / powder coated

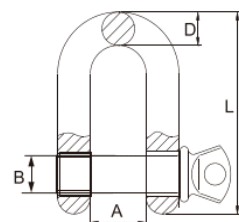
## GRADE 80 SCREW PIN ANCHOR SHACKLE, SBS TYPE

Item No.	Size	WLL	Main Dimensions(mm)					Weight	Product Code
		ton	A	C	D	B	L	kg	
8-SBS-08	5/16"	1.2	13.5	21.3	8	9.5	53	0.09	502048008
8-SBS-10	3/8"	1.6	16.8	25.9	9.7	11	63.2	0.14	502048010
8-SBS-11	7/16"	2.5	19	29.5	11.2	13	74	0.17	502048011
8-SBS-13	1/2"	3.3	20.6	33.3	12.7	16	83.3	0.33	502048013
8-SBS-16	5/8"	5	27	42.9	17.5	19	106.4	0.62	502048016
8-SBS-19	3/4"	7	32	20.8	20.6	22	126.2	1.07	502048019
8-SBS-22	7/8"	9.5	36.6	57.9	24.6	25	148	1.64	502048022
8-SBS-25	1"	12.5	43	68.3	27	28	166.6	2.28	502048025
8-SBS-28	1-1/8"	15	46	74	31.75	32	190	3.36	502048028
8-SBS-32	1-1/4"	18	51.6	82.5	35	35	210	4.31	502048032
8-SBS-35	1-3/8"	21	57	92	36	38	232.7	6.14	502048035
8-SBS-38	1-1/2"	30	60.5	98	41	42	254	7.8	502048038
8-SBS-44	1-3/4"	40	73.2	126	57.2	51	313.7	12.6	502048044
8-SBS-50	2"	55	82.5	146	61	57	347.5	20.43	502048050



## GRADE 80 SCREW PIN CHAIN SHACKLE, SDS TYPE

Item No.	Size	WLL	Main Dimensions(mm)				Weight	Product Code
		ton	A	D	L	B	kg	
8-SDS-08	5/16"	1.2	13.5	8	48.5	9.5	0.08	502049008
8-SDS-10	3/8"	1.6	16.8	9.7	58.4	11	0.13	502049010
8-SDS-11	7/16"	2.5	19	11.2	67.6	13	0.2	502049011
8-SDS-13	1/2"	3.3	20.6	12.7	77	16	0.27	502049013
8-SDS-16	5/8"	5	27	17.5	97.3	19	0.57	502049016
8-SDS-19	3/4"	7	32	20.6	116.6	22	1.19	502049019
8-SDS-22	7/8"	9.5	36.6	24.6	135.4	25	1.43	502049022
8-SDS-25	1"	12.5	43	27	152.4	28	2.15	502049025
8-SDS-28	1-1/8"	15	46	31.8	172.4	32	3.06	502049028
8-SDS-32	1-1/4"	18	51.6	35	190.5	38	4.11	502049032
8-SDS-35	1-3/8"	21	57	35	206.8	38	5.28	502049035
8-SDS-38	1-1/2"	30	60.5	41	230.1	42	7.23	502049038
8-SDS-44	1-3/4"	40	73.2	53.8	279	51	12.13	502049044
8-SDS-50	2"	55	82.5	61	324.6	57	19.19	502049050



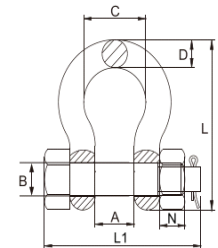
# GRADE 80 SLING COMPONENTS

- For lifting application.
- Forged-quenched and tempered.

Material: alloy steel  
 Proof load: 2.5 times of Working Load Limit  
 Safety factor: 5 times of Working Load Limit  
 Surface finish: self coloured / electro galvanized / H.D.G. / powder coated

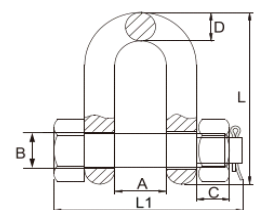
## GRADE 80 BOLT TYPE ANCHOR SHACKLE, BBS TYPE

Item No.	Size	WLL	Main Dimensions(mm)							Weight	Product Code
		ton	A	C	D	L	N	L1	B	kg	
8-BBS-08	5/16"	1.2	13.5	21.3	8	53	9.5	50.5	8.4	0.1	502050008
8-BBS-10	3/8"	1.6	16.8	25.9	9.7	63.2	11	62	10.8	0.15	502050010
8-BBS-11	7/16"	2.5	19	29.5	11.2	74	13	70	12.8	0.22	502050011
8-BBS-13	1/2"	3.3	20.6	33.3	12.7	83.3	16	79.5	14.8	0.46	502050013
8-BBS-16	5/8"	5	27	42.9	17.5	106.4	19	101.5	18	0.73	502050016
8-BBS-19	3/4"	7	32	51	20.6	126.2	22	117.5	19.4	1.1	502050019
8-BBS-22	7/8"	9.5	36.6	57.9	24.6	148	25	136	21.5	1.79	502050022
8-BBS-25	1"	12.5	43	68.3	27	166.6	28	153.5	23.8	2.57	502050025
8-BBS-28	1-1/8"	15	46	74	31.75	190	32	171.5	25.6	3.75	502050028
8-BBS-32	1-1/4"	18	51.6	82.5	35	210	35	192	31	5.31	502050032
8-BBS-35	1-3/8"	21	57	92	36	232.7	38	202	33.4	7.18	502050035
8-BBS-38	1-1/2"	30	60.5	98	41	254	42	222	34	9.43	502050038
8-BBS-44	1-3/4"	40	73	126	57.2	313.7	51	278	38	13.38	502050044
8-BBS-50	2"	55	82.5	146	61	347.5	57	307	45	23.7	502050050



## GRADE 80 BOLT TYPE CHAIN SHACKLE, BDS TYPE

Item No.	Size	WLL	Main Dimensions(mm)					Weight	Product Code	
		ton	A	D	B	L	L1	C		kg
8-BDS-08	5/16"	1.2	13.5	8	9.5	48.5	50.5	8.4	0.1	502051008
8-BDS-10	3/8"	1.6	16.8	9.7	11	58.4	62	10.8	0.15	502051010
8-BDS-11	7/16"	2.5	19.1	11.2	13	67.6	70	12.8	0.22	502051011
8-BDS-13	1/2"	3.3	20.6	12.7	16	77	79.5	14.8	0.34	502051013
8-BDS-16	5/8"	5	27	17.5	19	97.3	101.5	18	0.67	502051016
8-BDS-19	3/4"	7	32	20.6	22	116.6	117.5	19.4	1.14	502051019
8-BDS-22	7/8"	9.5	36.6	24.6	25	135.4	136	21.5	1.75	502051022
8-BDS-25	1"	12.5	43	27	28	152.4	153.5	23.8	2.52	502051025
8-BDS-28	1-1/8"	15	46	31.8	32	172.4	171.5	25.6	3.45	502051028
8-BDS-32	1-1/4"	18	51.6	35	35	190.5	192	31	4.9	502051032
8-BDS-35	1-3/8"	21	57	35	38	206.8	202	33.4	6.24	502051035
8-BDS-38	1-1/2"	30	60.5	41	42	230.1	222	34	8.39	502051038
8-BDS-44	1-3/4"	40	73	53.8	51	279	278	38	14.24	502051044
8-BDS-50	2"	55	82.5	61	57	324.6	307	45	21.22	502051050

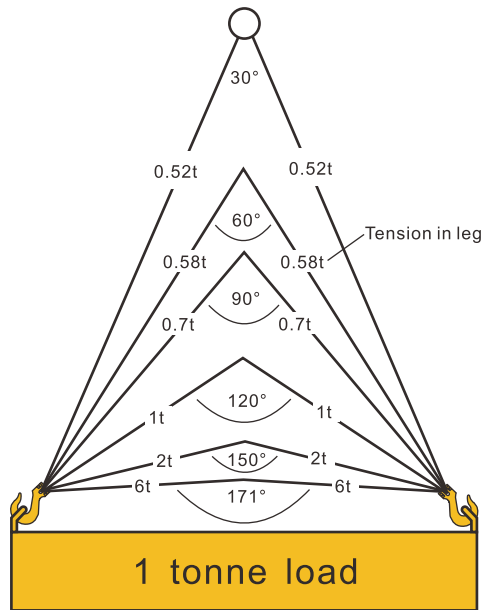


# GRADE 80 CHAIN SLING

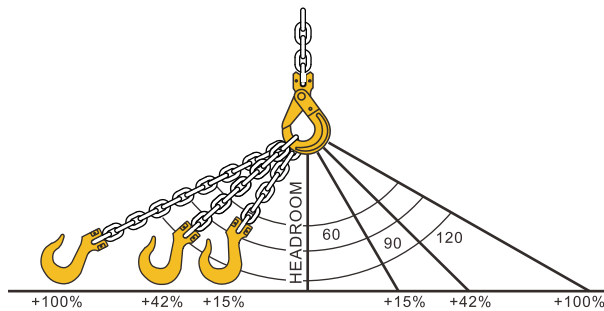
## CHAIN SLING SELECTION

In this catalogue the maximum working load limit for each size of chain is shown. These ratings are based on ideal conditions, however in practice, working conditions may vary widely. All lifting applications should be assessed by a competent person in order to establish the size and type of sling required.

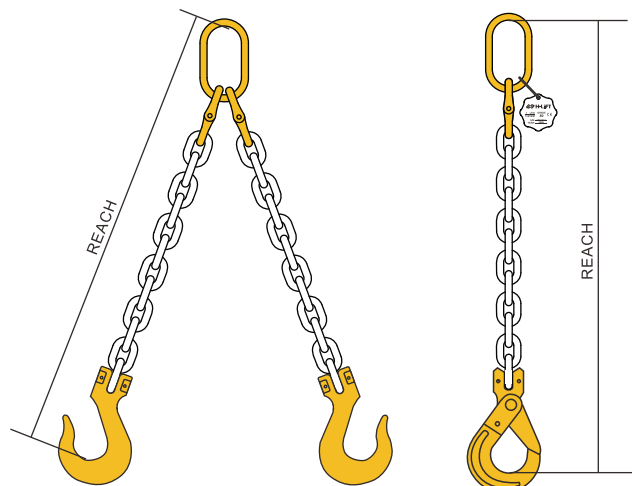
In the case of multi-leg slings, the angle between the legs is critical. The actual tension on each leg increases when the angle between the legs increases as shown in the diagram opposite. For this reason all general purpose chain slings are given a rating based upon use at 90° inc. angle. The included angle between the legs should never exceed 120°.



The distance between the crane hook and the load is known as the "Head Room". If a specific head room is required, the "Reach" of the chain sling must increase as the angle between the legs increases as shown opposite.



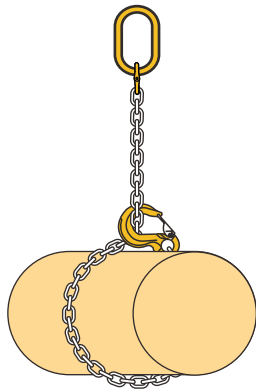
The reach of a chain sling is the distance between bearing points of the upper and lower terminal fittings. This distance, commonly known as the "Bearing to Bearing" should be quoted when ordering slings. Shortening clutches may be fitted to a sling, making the reach adjustable, hence increasing the versatility of the sling.



# GRADE 80 CHAIN SLING

## Unusual Applications

Recommended Load Factors for unusual slinging methods and conditions.  
Factor normally applied to W.L.L. of a Single Chain.



0,8



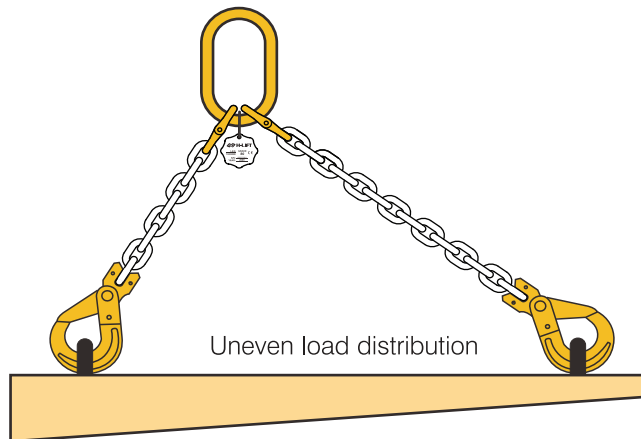
1,4



1,3



1,6

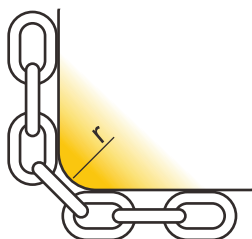


This factor is applicable to W.L.L. of a standard Double Branch Sling 0,7

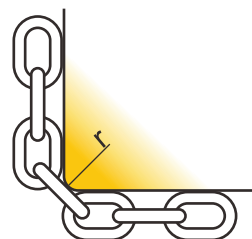
**Temperature loadings:** Applicable to chain temperature

-40° to 200° C 1	200° C to 300° C 0,9	300° C to 400° C 0,75
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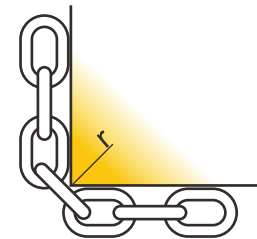
**Edge loadings:** Applicable to load lifting and load lashing



r = more than 2 x chain size  
1



r = more than chain size  
0,7



NOT RECOMMENDED  
WITHOUT CORNER PROTECTION

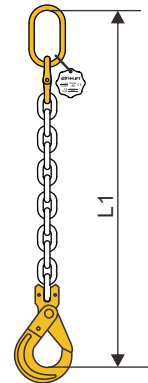
# GRADE 80 CHAIN SLING

## 1- AND 2-LEG CHAIN SLINGS

Clevis self-locking hooks or sling hooks as standard ends.  
Alternative ends are also available.  
The assemblies include a load plate.  
Powder coated  
Safety factor 4 : 1  
EN 818-4

The last two numbers of the product code refer to the chain size, when ordering, e.g. a 1-leg assembly with a 10mm chain and a safety hook, the product code is 503001110. If you want to include eye cradle grab hooks in the assembly, the product code is 503002110

Note! The leg length of the chain assembly, unless specifically ordered, is as presented in the image L1



### 1-LEG



Chain Size mm	WLL ton	Clevis Self Locking Hook	Clevis Self Locking Hook + Eye Cradle Grab Hook	Clevis Sling Hook	Clevis Sling Hook + Eye Cradle Grab Hook
6	1.12	503001106	503002106	503003106	503004106
7	1.5	503001107	503002107	503003107	503004107
8	2	503001108	503002108	503003108	503004108
10	3.15	503001110	503002110	503003110	503004110
13	5.3	503001113	503002113	503003113	503004113
16	8	503001116	503002116	503003116	503004116
18	10	503001118	503002118	503003118	503004118
20	12.5	503001120	503002120	503003120	503004120
22	15	503001122	503002122	503003122	503004122
26	21.2	503001126	503002126	503003126	503004126
32	31.5	503001132	503002132	503003132	503004132

### 2 LEGS



Chain Size mm	WLL/ton		Clevis Self Locking Hook	Clevis Self Locking Hook + Eye Cradle Grab Hook	Clevis Sling Hook	Clevis Sling Hook + Eye Cradle Grab Hook
	0-45° chain angle	45-60° chain angle				
6	1.6	1.12	503001206	503002206	503003206	503004206
7	2.12	1.5	503001207	503002207	503003207	503004207
8	2.8	2	503001208	503002208	503003208	503004208
10	4.25	3.15	503001210	503002210	503003210	503004210
13	7.5	5.3	503001213	503002213	503003213	503004213
16	11.2	8	503001216	503002216	503003216	503004216
18	14	10	503001218	503002218	503003218	503004218
20	17	12.5	503001220	503002220	503003220	503004220
22	21.2	15	503001222	503002222	503003222	503004222
26	30	21.2	503001226	503002226	503003226	503004226
32	45	31.5	503001232	503002232	503003232	503004232



# GRADE 80 CHAIN SLING

## 3- AND 4-LEG CHAIN SLINGS

Clevis self-locking hooks or sling hooks as standard ends.  
Alternative ends are also available.  
The assemblies include a load plate  
Powder coated  
Safety factor 4 : 1  
EN 818-4

The last two numbers of the product code refer to the chain size, when ordering, e.g. a 4-leg assembly with a 10mm chain and a safety hook, the product code is 503001410. If you want to include eye cradle grab hooks in the assembly, the product code is 503002410.

Note! The leg length of the chain assembly, unless specifically ordered, is as presented in the image L1

### 3-LEGS



Chain Size mm	WLL/ton		Clevis Self Locking Hook	Clevis Self Locking Hook + Eye Cradle Grab Hook	Clevis Sling Hook	Clevis Sling Hook + Eye Cradle Grab Hook
	0-45° chain angle	45-60° chain angle				
6	2.36	1.7	503001306	503002306	503003306	503004306
7	3.15	2.24	503001307	503002307	503003307	503004307
8	4.25t	3	503001308	503002308	503003308	503004308
10	6.7	4.75	503001310	503002310	503003310	503004310
13	11.2	8	503001313	503002313	503003313	503004313
16	17	11.8	503001316	503002316	503003316	503004316
18	21.2	15	503001318	503002318	503003318	503004318
20	26.5	19	503001320	503002320	503003320	503004320
22	31.5	22.4	503001322	503002322	503003322	503004322
26	45	31.5	503001326	503002326	503003326	503004326
32	67	47.5	503001332	503002332	503003332	503004332

### 4-LEGS



Chain Size mm	WLL/ton		Clevis Self Locking Hook	Clevis Self Locking Hook + Eye Cradle Grab Hook	Clevis Sling Hook	Clevis Sling Hook + Eye Cradle Grab Hook
	0-45° chain angle	45-60° chain angle				
6	2.36	1.7	503001406	503002406	503003406	503004406
7	3.15	2.24	503001407	503002407	503003407	503004407
8	4.25	3	503001408	503002408	503003408	503004408
10	6.7	4.75	503001410	503002410	503003410	503004410
13	11.2	8	503001413	503002413	503003413	503004413
16	17	11.8	503001416	503002416	503003416	503004416
18	21.2	15	503001418	503002418	503003418	503004418
20	26.5	19	503001420	503002420	503003420	503004420
22	31.5	22.4	503001422	503002422	503003422	503004422
26	45	31.5	503001426	503002426	503003426	503004426
32	67	47.5	503001432	503002432	503003432	503004432

## GRADE 100 SLING COMPONENTS



Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

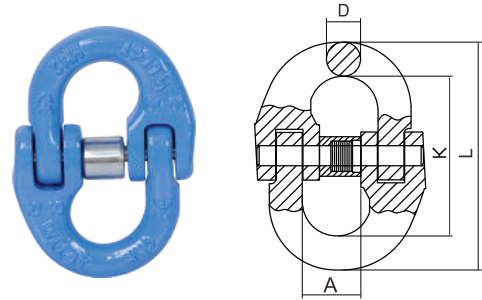
Material Handling  
Equipments

# GRADE 100 SLING COMPONENTS

## GRADE 100 CONNECTING LINK, CNL TYPE

- Used to connect grade 100 chain to an oblong link, hook or other components.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
Material: forged alloy steel  
Proof load: 2.5 times the Working Load Limit  
Safety factor: 4:1  
Surface finish: powder coated



Item No.	Chain Size	WLL	Main Dimensions(mm)				Weight	Product Code
	mm		D	A	K	L	kg	
10-CNL-06	6	1.4	7	14	44.5	61.5	0.08	505001006
10-CNL-08	8	2.5	10	18.5	63	84	0.18	505001008
10-CNL-10	10	4	12.6	23	71	96.2	0.34	505001010
10-CNL-13	13	6.7	16.5	28	92.5	125	0.68	505001013
10-CNL-16	16	10	20	33.5	106.5	147	1.22	505001016
10-CNL-20	20	16	25	42	123	172	2.13	505001020
10-CNL-22	22	19	27	48	137.5	191	3	505001022
10-CNL-26	26	26.5	32	61	163	229	5.22	505001026
10-CNL-32	32	40	40	80	197	279	9.55	505001032

## SLEEVE AND LOAD PIN



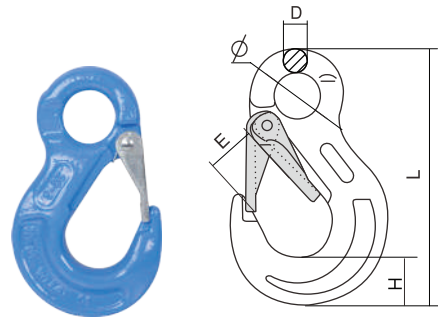
Item No.	Chain Size	Item No.	Chain Size
	mm		mm
10-SP-CNL-B-06	6	10-SP-CNL-B-18	18
10-SP-CNL-B-08	8	10-SP-CNL-B-20	18+20
10-SP-CNL-B-10	10	10-SP-CNL-B-22	22
10-SP-CNL-B-13	13	10-SP-CNL-B-26	26
10-SP-CNL-B-16	16	10-SP-CNL-B-32	32

# GRADE 100 SLING COMPONENTS

## GRADE 100 EYE SLING HOOK WITH SAFETY LATCH, ESH TYPE

- Comes with spring-loaded safety latch.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight	Product Code
	mm		D	E	H	Φ	L	kg	
10-ESH-06	6	1.4	10	18.5	21	20.5	111	0.32	505002006
10-ESH-07	7	1.9	11	25.5	26	25	137	0.4	505002007
10-ESH-08	8	2.5	11	25	27.5	25	137	0.6	505002008
10-ESH-10	10	4	16	29.5	32	35	171.5	1.2	505002010
10-ESH-13	13	6.7	19	38	43.5	43	219	2.2	505002013
10-ESH-16	16	10	24.5	46	50	51	260	3.5	505002016
10-ESH-20	20	16	27	52	56	55	298	6.2	505002020
10-ESH-22	22	19	29	66	62	60	330	11.5	505002022
10-ESH-26	26	26.5	35	73	75	70	376	12.2	505002026
10-ESH-32	32	40	39	87	89	81.5	458	17.5	505002032

## LATCH KITS FOR ESH AND CSH TYPE SLING HOOK



Item No.	Chain Size	Item No.	Chain Size
	mm		mm
10-SP-SH-06	6	10-SP-SH-16	16
10-SP-SH-07	7	10-SP-SH-20	20
10-SP-SH-08	8	10-SP-SH-22	22
10-SP-SH-10	10	10-SP-SH-26	26
10-SP-SH-13	13	10-SP-SH-32	32

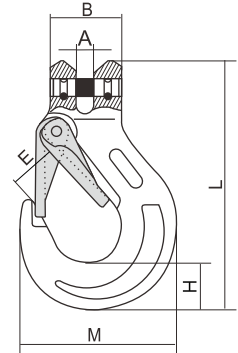


# GRADE 100 SLING COMPONENTS

## GRADE 100 CLEVIS SLING HOOK WITH LATCH, CSH TYPE

- Lifting chain is attached directly to the hook without a connecting link.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight	Product Code
	mm		A	B	E	H	M	L	kg	
10-CSH-06	6	1.4	7.5	32	18.5	21	68.5	109	0.33	505003006
10-CSH-08	8	2.5	9.5	37	25	27.5	88	134	0.7	505003008
10-CSH-10	10	4	12	48	28	33.5	105.5	161.5	1.3	505003010
10-CSH-13	13	6.7	15	59	38	42	134	203	2.3	505003013
10-CSH-16	16	10	18.5	70	44	50	160.5	248	3.6	505003016
10-CSH-20	20	16	25	85	52	56	190.5	297	7	505003020
10-CSH-22	22	19	27	100	66	62	214.5	326	12.1	505003022

## LOAD PIN FOR SLING HOOK/CSH, GRAB HOOK/CGK AND SELF LOCKING HOOK/CSK



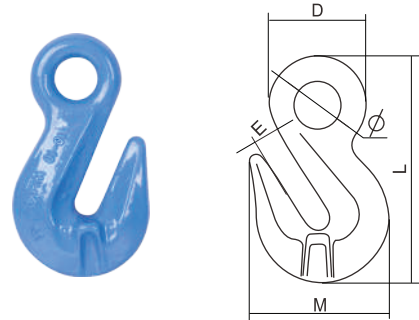
Item	Chain Size	Item	Chain Size
	mm		mm
10-SP-CK-06	6	10-SP-CK-16	16
10-SP-CK-08	8	10-SP-CK-20	20
10-SP-CK-10	10	10-SP-CK-22	22
10-SP-CK-13	13	/	/



# GRADE 100 SLING COMPONENTS

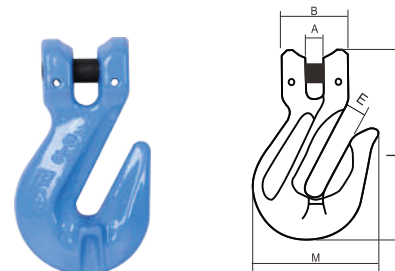
- Used for shortening chain legs.
- EGK hook to be attached to the master link with the same connecting link as the chain.
- The clevis of CGK hook is used for connecting the hook to chain directly.
- No reduction of Working Load Limit due to supporting cradle in saddle of hook.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



## GRADE 100 EYE CRADLE GRAB HOOK, EGK TYPE

Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm	ton	E	Φ	D	M	L	kg	
10-EGK-06	6	1.4	8	13.5	30.5	43.5	73	0.15	505004006
10-EGK-08	8	2.5	11	17.5	37	53	93	0.3	505004008
10-EGK-10	10	4	13.5	22	48.5	74	129	0.79	505004010
10-EGK-13	13	6.7	16.5	28	59	96	166	1.67	505004013
10-EGK-16	16	10	19	36	75	116	186	2.74	505004016
10-EGK-20	20	16	24	43.5	89.5	143	227	4.72	505004020
10-EGK-22	22	19	27	48.5	100.5	160.5	260.5	8.2	505004022



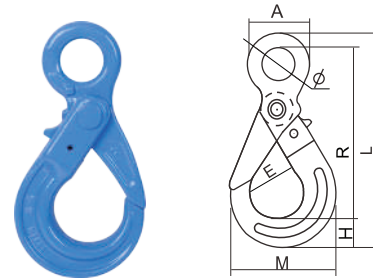
## GRADE 100 CLEVIS CRADLE GRAB HOOK, CGK TYPE

Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm	ton	A	B	E	M	L	kg	
10-CGK-06	6	1.4	7.5	32	8	43.5	77.3	0.22	505005006
10-CGK-08	8	2.5	9.5	36	11	54	93	0.34	505005008
10-CGK-10	10	4	12.5	46	13.5	72	127	0.82	505005010
10-CGK-13	13	6.7	15	59	15	96	164	1.75	505005013
10-CGK-16	16	10	18.5	70	19	115	188	2.88	505005016
10-CGK-20	20	16	24	85	24	142	221	4.84	505005020
10-CGK-22	22	19	27	100	27	159	260	8.3	505005022

# GRADE 100 SLING COMPONENTS

- Safety hooks will not open when under load as the latch closes automatically.
- The clevis of CSK hook is used for connecting the hook to chain directly.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

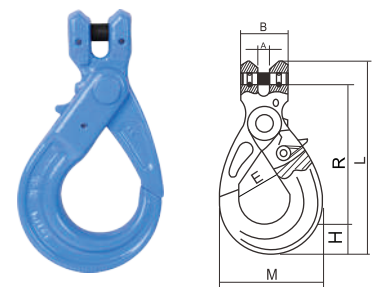


## GRADE 100 EYE SELF LOCKING HOOK, ESK TYPE

Item No.	Chain Size	WLL	Main Dimensions(mm)							Weight	Product Code
	mm		ton	Φ	A	E	H	R	M	L	
10-ESK-06	6	1.4	21	43	27	20	110	70	141	0.5	505006006
10-ESK-08	8	2.5	27	51	35	26	137	90	175	0.9	505006008
10-ESK-10	10	4	34.5	64.5	43	27	170	108	212	1.5	505006010
10-ESK-13	13	6.7	40	80	51.5	40.5	209	137.5	269	2.7	505006013
10-ESK-16	16	10	50	104	59	50.5	256	170.5	333	5.7	505006016
10-ESK-20	20	16	60	124	74.5	62	277	191.5	368.5	7.9	505006020
10-ESK-22	22	19	70	139	78	66	319	205	417	11.2	505006022

## GRADE 100 CLEVIS SELF LOCKING HOOK, CSK TYPE

Item No.	Chain Size	WLL	Main Dimensions(mm)							Weight	Product Code
	mm		ton	A	B	E	H	R	M	L	
10-CSK-06	6	1.4	8	32	28	20	96	70	131	0.5	505007006
10-CSK-08	8	2.5	9.5	36	36	26	121	90	163	0.9	505007008
10-CSK-10	10	4	12	46	45	27	144	109	196.5	1.6	505007010
10-CSK-13	13	6.7	15	59	53.5	40.5	182	137	251	2.9	505007013
10-CSK-16	16	10	18.5	70	61	50.5	220	168	303	5.8	505007016
10-CSK-20	20	16	25	85	76.5	62	235	190	337	8.6	505007020
10-CSK-22	22	19	25.5	98	80	66	271	202	386	12.1	505007022



## TRIGGER KITS FOR ESK, CSK, SSK AND SSB TYPE SELF LOCKING HOOK

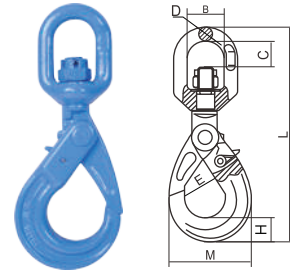


Item No.	Chain Size	Item No.	Chain Size
	mm		mm
10-SP-CK-06	6	10-SP-CK-16	16
10-SP-CK-08	8	10-SP-CK-20	20
10-SP-CK-10	10	10-SP-CK-22	22
10-SP-CK-13	13	/	/

# GRADE 100 SLING COMPONENTS

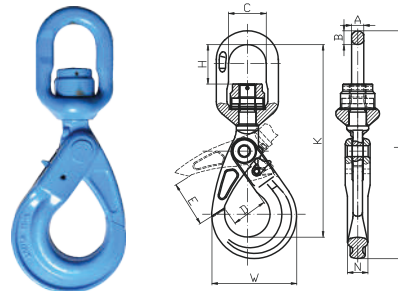
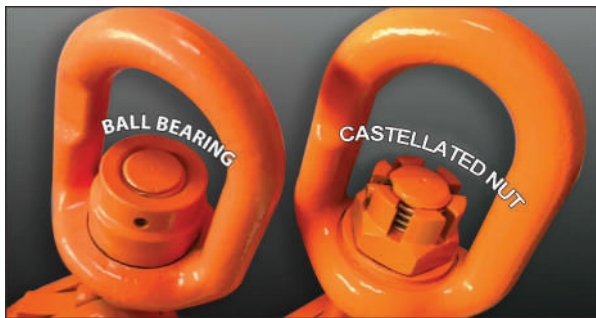
- Swivel eye allows for 360 degrees rotation before load is applied.
- Safety hooks will not open when under load as the latch closes automatically.
- SSB type hook with ball bearing can rotate easily also with full load.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



## GRADE 100 SWIVEL SELF LOCKING HOOK, SSK TYPE

Item No.	Chain Size	WLL ton	Main Dimensions(mm)							Weight kg	Product Code
	mm		B	C	D	E	H	M	L		
10-SSK-06	6	1.4	32.5	23	11.5	27	20	70	184	0.6	505008006
10-SSK-08	8	2.5	36	27.5	13	35	25	90	226	1.1	505008008
10-SSK-10	10	4	42	33	15.5	43	28	108	269	2	505008010
10-SSK-13	13	6.7	50	39	17	51.5	40	137.5	327	4	505008013
10-SSK-16	16	10	70	56	21.5	59	49.5	170.5	413	6.8	505008016
10-SSK-20	20	16	72	61	26	74.5	61	191.5	460	12.5	505008020
10-SSK-22	22	19	97	96	33	78	65	205	566	17.1	505008022



## GRADE 100 SWIVEL SELF LOCKING HOOK WITH BEARING, SSB TYPE

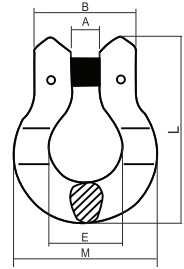
Item No.	Chain Size	WLL ton	Main Dimensions(mm)										Weight kg	Product Code
	mm		A	B	C	D	E	N	H	K	L	W		
10-SSB-06	6	1.4	11.5	13	37	27	30	15	32	163	196.5	70	0.67	505009006
10-SSB-08	8	2.5	13	15	41	35.5	40	20	39	202	243	90	1.21	505009008
10-SSB-10	10	4	15.5	17.5	48	45	48	26	48	244	289	108	2.2	505009010
10-SSB-13	13	6.7	17	19	55	52.5	63	32.5	57	292	351	138	4.4	505009013
10-SSB-16	16	10	21.5	26	62	62	75	38	62	346	422	170	7.48	505009016
10-SSB-20	20	16	26.5	28.5	76	76	80	50	72	396	487	191	13.75	505009020
10-SSB-22	22	19	33	33	97	79	95	52	97	465	563	208	18.81	505009022
10-SSB-26	26	26.5	42	42	123	100	107	60	119	565	688	253	31.4	505009026

# GRADE 100 SLING COMPONENTS

## GRADE 100 OMEGA LINK, OML TYPE

- Used as a chain end fitting to form an effective and robust connecting link.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

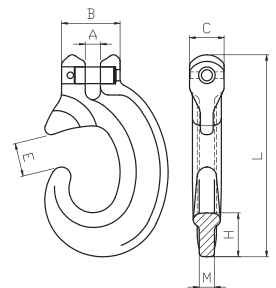


Item No.	Chain Size	WLL	Main Dimensions(mm)					Weight	Product Code
	mm	ton	A	B	E	M	L	kg	
10-OML-06	6	1.4	8.5	32.5	20	44	55	0.12	505010006
10-OML-08	8	2.5	10.5	42	24	60	73.5	0.27	505010008
10-OML-10	10	4	12.5	48.5	31	70	90	0.44	505010010
10-OML-13	13	6.7	16	60	38.8	90	109	0.89	505010013
10-OML-16	16	10	19	75.5	51	112	141.5	1.77	505010016

## GRADE 100 CLEVIS C HOOK, CCK TYPE

- The hook tip is shaped to prevent accidental unhooking when not under load.
- Lifting chain is attached directly to the hook without a connecting link.
- Only for applications without safety catch requirement.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



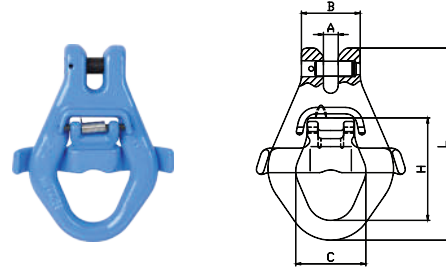
Item No.	Chain Size	WLL	Main Dimensions(mm)							Weight	Product Code
	mm	ton	A	B	C	H	L	M	E	kg	
10-CCK-08	7+8	2.5	9.5	36.5	21.5	27.3	125.5	9.5	20.5	0.54	505011008
10-CCK-10	10	4	12.5	48.5	27	32.4	169	12	27	1.05	505011010

# GRADE 100 SLING COMPONENTS

## GRADE 100 CONTAINER LIFTING CLEVIS LINK, CLK TYPE

- With the locking system and spring locking pin to enhance security and prevent the chains from disengaging.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

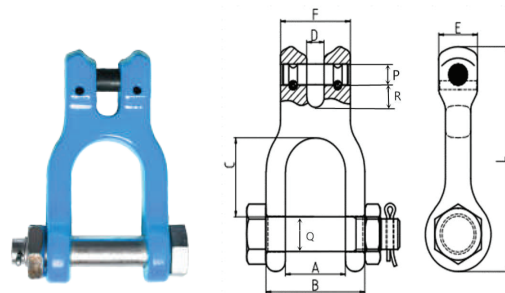


Item No.	Chain Size	WLL ton	Main Dimensions(mm)					Weight	Product Code
	mm		A	B	C	H	L	kg	
10-CLK-13	13	6.7	15.5	60	71.5	104	195	1.9	505012013

## GRADE 100 CLEVIS SHACKLE, CSL TYPE

- Designed specifically for use as a terminal end fitting with a clevis connection directly to chain.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



Item No.	Chain Size	WLL ton	Main Dimensions(mm)										Weight	Product Code
	mm		A	B	C	D	E	F	L	P	R	Q	kg	
10-CSL-08	8	2.5	31	51	36.3	9	20	36	103.5	9.7	10.3	16	0.48	505013008
10-CSL-10	10	4	34	62	48	12.5	25	46.5	130.7	12.2	13	20	0.89	505013010
10-CSL-13	13	6.7	49	83	64	15	31	59	160	16	17	22	1.51	505013013
10-CSL-16	16	10	58	95	69.5	19	40	70	190.5	19.7	20.5	28.5	2.62	505013016

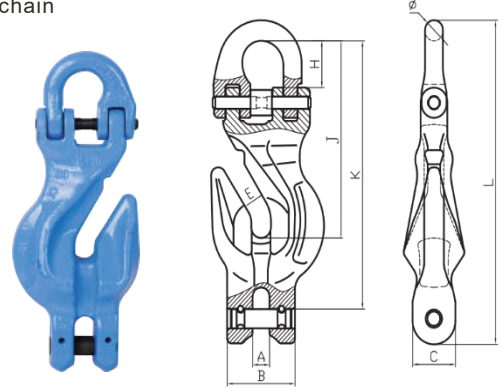


# GRADE 100 SLING COMPONENTS

## GRADE 100 HALF LINK SHORTENING HOOK WITH CLEVIS ATTACHMENT, HSC TYPE

- Designed to avoid the extra chain connector in the shortening link and extra chain connector to the master link.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times of Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

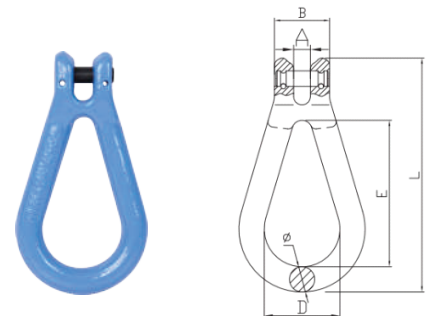


Item No.	Chain Size	WLL ton	Main Dimensions(mm)									Weight	Product Code
	mm		A	B	C	E	H	L	K	J	Ø	kg	
10-HSC-06	6	1.4	8	32	18	8.3	16	128.7	104.7	80	7	0.366	505014006
10-HSC-08	8	2.5	9.5	37	24	10.5	25	165	136	100	10	0.79	505014008
10-HSC-10	10	4	12.5	48	29.5	13	28	203	167	123	12.6	1.522	505014010
10-HSC-13	13	6.7	16	59	37	15.5	37	269	223	163	16.5	3.372	505014013
10-HSC-16	16	10	18.5	70	46	18.5	40	328	271	194	20	5.67	505014016
10-HSC-20	20	16	24	85	52	25	46	398	328	247	25	9.79	505014020
10-HSC-22	22	19	25	100	61	26.5	51.5	430	354	258	27	14.62	505014022

## GRADE 100 CLEVIS REEVING LINK, CRL TYPE

- Designed for use in reeveable slings as top or terminal end fittings.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



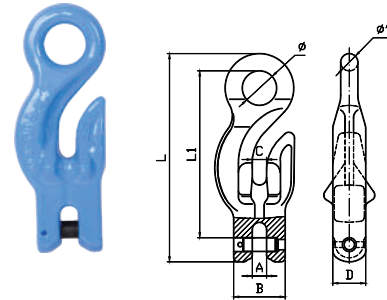
Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight	Product Code
	mm		A	B	D	E	Ø	L	kg	
10-CRL-13	13	6.7	16.5	55.5	66.5	137.5	22	228	1.76	505015013
10-CRL-16	16	10	19	68	72	165	26	264	2.8	505015016

# GRADE 100 SLING COMPONENTS

## GRADE 100 EYE GARB HOOK WITH CLEVIS ATTACHMENT, EGC TYPE

- In combination with connecting link mounted to master link
- Clevis is used for connecting the chain directly.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

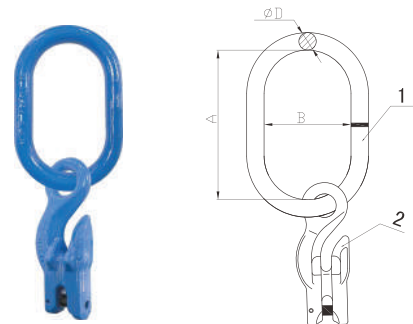


Item No.	Chain Size	WLL ton	Main Dimensions(mm)								Weight kg	Product Code
	mm		Ø	A	B	C	L1	L	Ø'	D		
10-EGC-06	6	1.4	18	8	32	8	88	112	9	17.5	0.3	505016006
10-EGC-08	8	2.5	24	10	36	10	116	145	12	23	0.69	505016008
10-EGC-10	10	4	30	12.5	48	12.5	145	184	15	28.5	1.33	505016010
10-EGC-13	13	6.7	37	15.5	59.5	15.5	178	223	18	35	2.36	505016013
10-EGC-16	16	10	45	19	70	19	216	273	22	42	4.5	505016016
10-EGC-20	20	16	58	24.5	85	24.5	278	351	28	52	9	505016020

## GRADE 100 MASTER LINK WITH INTEGRATED GRAB HOOKS, MLS TYPE

- Fully integrated eye grab hook and master link. The hook functions as both a connecting link and shortener.
- Speedy assembly.
- Cost effective.
- Approximate 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times of Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: Alloy Steel  
 Proof load: 2.5 Times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: Powder Coated



Item No.	Chain Size	WLL ton	Part 1 Main Dimensions(mm)			Part 2	Weight	Product Code
	mm		A	B	D		kg	
10-MLS-06	6	1.4	110	60	13	10-EGC-06	0.64	505028006
10-MLS-08	8	2.5	120	70	14	10-EGC-08	1.12	505028008
10-MLS-10	10	4	140	80	17	10-EGC-10	2.08	505028010
10-MLS-13	13	6.7	160	95	22	10-EGC-13	3.84	505028013
10-MLS-16	16	10	190	110	25	10-EGC-16	6.75	505028016
10-MLS-20	20	16	230	130	32	10-EGC-20	13.47	505028020

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

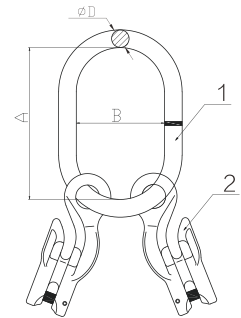
Material Handling  
Equipments

# GRADE 100 SLING COMPONENTS

## GRADE 100 MASTER LINK WITH INTEGRATED GRAB HOOKS, MLD TYPE

- Fully integrated eye grab hooks and master link. The hooks function as both connecting links and shorteners.
- Speedy assembly.
- Cost effective
- Approximate 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times of Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: Alloy Steel  
 Proof load: 2.5 Times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: Powder Coated

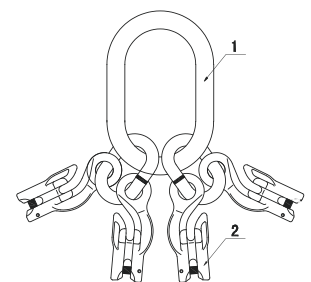


Item No.	Chain Size	WLL ton	Part 1 Main Dimensions(mm)			Part 2	Weight	Product Code
	mm		A	B	D		kg	
10-MLD-06	6	2	120	70	14	10-EGC-06 X 2	1.04	505029006
10-MLD-08	8	3.55	140	80	17	10-EGC-08 X 2	2.12	505029008
10-MLD-10	10	5.6	160	95	22	10-EGC-10 X 2	4.15	505029010
10-MLD-13	13	9.5	190	110	25	10-EGC-13 X 2	7	505029013
10-MLD-16	16	14	230	130	32	10-EGC-16 X 2	13.48	505029016

## GRADE 100 MASTER LINK ASSEMBLY WITH INTEGRATED GRAB HOOKS, MAQ TYPE

- Fully integrated eye grab hooks and master link. The hooks function as both connecting links and shorteners.
- Speedy assembly.
- Cost effective
- Approximate 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times of Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: Alloy Steel  
 Proof Load: 2.5 Times the Working Load Limit  
 Safety Factor: 4:1  
 Surface Finish: Powder Coated



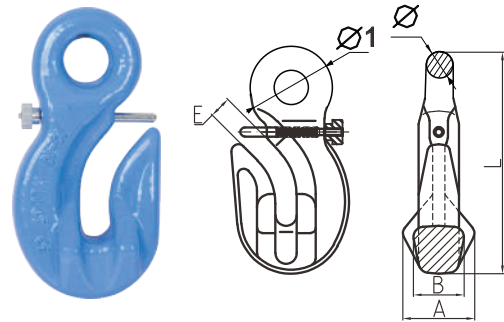
Item No.	Chain Size	WLL ton	PARTS		Weight	Product Code
	mm		1	2	kg	
10-MLQ-06	6	3	10-MLY-06	10-EGC-06 X 4	2.5	505030006
10-MLQ-08	8	5.3	10-MLY-08	10-EGC-08 X 4	5.09	505030008
10-MLQ-10	10	8.4	10-MLY-10	10-EGC-10 X 4	9.02	505030010
10-MLQ-13	13	14	10-MLY-13	10-EGC-13 X 4	15.94	505030013
10-MLQ-16	16	21.2	10-MLY-16	10-EGC-16 X 4	28.1	505030016

# GRADE 100 SLING COMPONENTS

## GRADE 100 SPECIAL EYE GRAB HOOK WITH SAFETY PIN, SEG TYPE

- Used for shortening chains.
- Hook to be attached to the master link with the same connecting link as the chain.
- No reduction of Working Load Limit due to supporting cradle in saddle of hook.
- Hook with safety pin which prevents chain from falling out.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

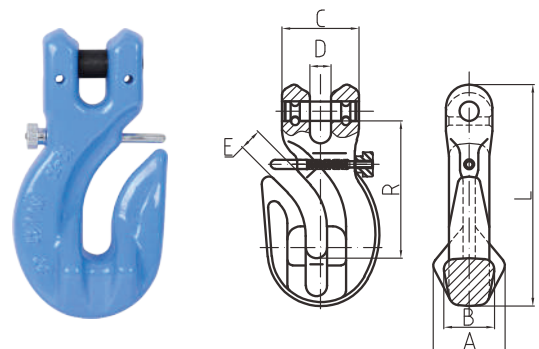


Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight	Product Code
	mm		A	B	Ø	Ø1	E	L	kg	
10-SEG-08	8	2.5	35	25	12	16.5	10.5	110	0.5	505017008
10-SEG-10	10	4	44	32	15	21	13	136.5	1	505017010
10-SEG-13	13	6.7	57	40	20.5	27.5	15.5	180	2.2	505017013

## GRADE 100 SPECIAL CLEVIS GRAB HOOK WITH SAFETY PIN, SCG TYPE

- Used for shortening chains.
- No reduction of Working Load Limit due to supporting cradle in saddle of hook.
- Lifting chain is attached directly to the hook without a connecting link.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



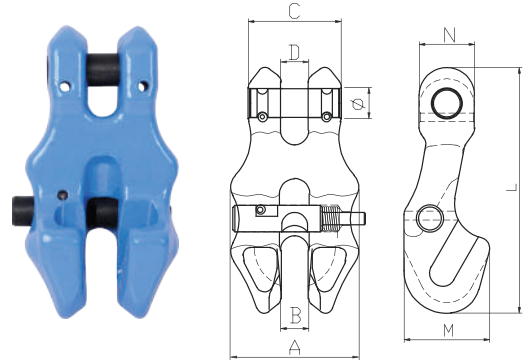
Item No.	Chain Size	WLL ton	Main Dimensions(mm)							Weight	Product Code
	mm		A	B	C	R	D	E	L	kg	
10-SCG-08	8	2.5	35.5	25	38	66	10	10.5	109	0.62	505018008
10-SCG-10	10	4	44	32	46	82	12	13	134	1.16	505018010
10-SCG-13	13	6.7	57	40	59.5	107	15	15.5	175.5	2.6	505018013

# GRADE 100 SLING COMPONENTS

## GRADE 100 SHORTENING CLUTCH LOCKING TYPE, SCL TYPE

- Used for shortening the chain legs.
- Additional locking pin to prevent chain from falling out.
- Approximately 25% stronger than Grade 80.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times of Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated

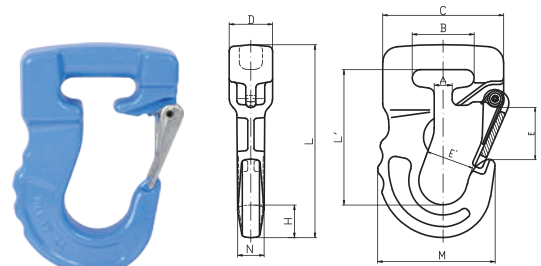


Item No.	Chain Size	WLL	Main Dimensions(mm)								Weight	Product Code
	mm	ton	A	B	C	D	M	N	Ø	L	kg	
10-SCL-06	6	1.4	38	7.5	27	7.5	29	16	7.7	73	0.25	505019006
10-SCL-08	8	2.5	50	9.5	33	9.5	36	23	9.2	92	0.41	505019008
10-SCL-10	10	4	60	11.7	43.5	11.7	45.4	26	13.3	115	0.75	505019010
10-SCL-13	13	6.7	79	15	55	15	54	34	16.3	149	1.67	505019013
10-SCL-16	16	10	98	19	70	19	70	40	19.7	184	4.2	505019016

## GRADE 100 SYNTHETIC SLING HOOK (JOKER HOOK), SSH TYPE

- Designed for using with webbing slings and roundslings.
- Enlarged shoulder areas to protect slings from chaffing.
- Colour coded to the lifting sling.
- Quenched & tempered.
- 100% Magnaflux Crack Detection.
- Fatigue tested at 1.5 times the Working Load Limit for 20000 cycles.

Standard: EN 1677  
 Material: forged alloy steel  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 Surface finish: powder coated



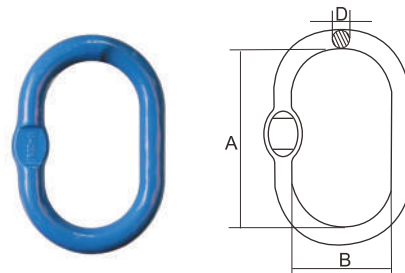
Item No.	WLL	BL	Main Dimensions(mm)											Weight	Product Code
	ton	ton	A	B	C	D	M	N	E	E'	L	L'	H	kg	
10-SSH-01	1	4	11.5	40	78	28	75.7	17	33	30	124	87	21	0.73	505020001
10-SSH-02	2	8	18.5	44.5	91	35	90	21	40	39	148	103	27	1.27	505020002
10-SSH-03	3	12	21.5	54	114	45	110	26	41	48	175	115	33	2.3	505020003
10-SSH-04	4	16	40.5	76	133	56	139	32	50.5	60	223.5	147	40.5	4.73	505020004
10-SSH-05	5	20	40.5	76	133	56	139	32	50.5	60	223.5	147	40.5	4.73	505020005
10-SSH-06	6	24	40.5	76	133	56	139	32	50.5	60	223.5	147	40.5	4.73	505020006



# GRADE 100 SLING COMPONENTS

## GRADE 100 MASTER LINK, MLF TYPE

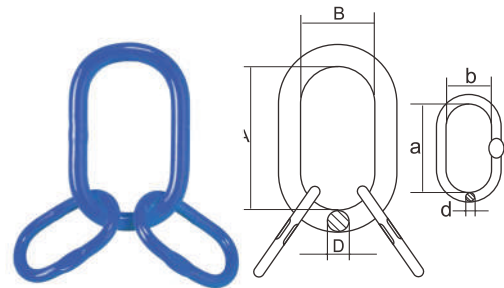
Standard: EN1677  
 Material: alloy steel - quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2.5 times the Working Load Limit  
 Safety factor: 4:1  
 \*Engineered flat for use with omega link.



Item No.	Chain Size(mm)		WLL ton	Main Dimensions(mm)			Weight kg	Product Code
	1 leg	2 legs		A	B	D		
10-MLF-10	5	5	1.4	80	50	10	0.14	505021010
10-MLF-13	6+7	6	2.3	110	60	13	0.34	505021013
10-MLF-16	8	7	3.5	110	60	16	0.53	505021016
10-MLF-18	10	8	5	135	75	18	0.86	505021018
10-MLF-22	13	10	7.6	160	90	23	1.6	505021022
10-MLF-26	16	13	10	180	100	27	2.46	505021026
10-MLF-32	19	16	14	200	110	33	4.14	505021032
10-MLF-36	22	19	25.1	260	140	36	6.22	505021036
10-MLF-45	26	22	30.8	340	180	45	12.85	505021045
10-MLF-50	32	26	40	350	190	50	16.22	505021050
10-MLF-56	/	32	60	400	200	60	27.01	505021056
10-MLF-70	/	/	81.5	460	250	70	45	505021070

\* 10-MLF-13 ~ 10-MLF-36: supplied with flat.

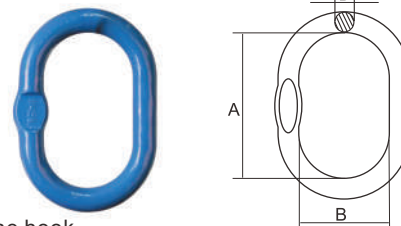
## GRADE 100 MASTER LINK ASSEMBLY, MLY TYPE



Item No.	Chain Size	WLL ton	Main Dimensions(mm)						Weight kg	Product Code
	mm		A	B	D	a	b	d		
10-MLY-06	6	3	135	75	19	54	25	13	1.3	505022006
10-MLY-08	8	5.3	160	90	23	70	34	16.5	2.33	505022008
10-MLY-10	10	8.4	180	100	27	85	40	19	3.7	505022010
10-MLY-13	13	14	200	110	33	115	50	23	6.5	505022013
10-MLY-16	16	21.2	260	140	36	140	65	27	10.1	505022016
10-MLY-20	19/20	33.6	350	190	50	180	90	33	22.8	505022020
10-MLY-22	22	39.9	350	190	50	180	100	36	26	505022022

## G100 OVERSIZED MASTER LINK, WMF TYPE

\*Engineered flat for use with omega link.  
 \*Large inside width and length to allow additional room for sling hardware and crane hook.

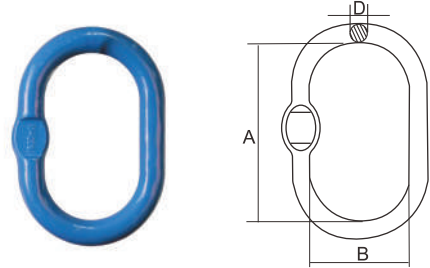


Item No.	WLL	BL ton	Main Dimensions(mm)			Weight kg	Product Code
	ton		A	B	D		
10-WMF-1008	4	16	340	180	25	3.7	5050241008
10-WMF-1310	6.7	26.8	340	180	28	4.7	5050241310
10-WMF-1613	10	40	340	180	34	7	5050241613
10-WMF-2016	16	64	340	180	38	8.9	5050242016

# GRADE 100 SLING COMPONENTS

## GRADE 100 U.S. TYPE MASTER LINK, MLK TYPE

Standard: ASTM A952  
 Material: alloy steel - quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2 times the Working Load Limit  
 Safety factor: 4:1

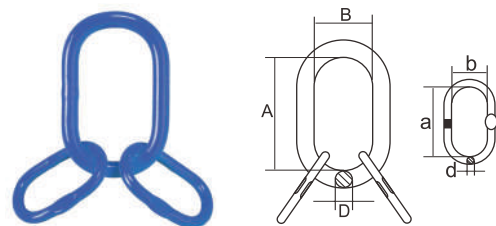


\*Engineered flat for use with omega link.

Item No.	Chain Size	WLL/T			Main Dimensions(mm)			Weight	Product Code
	inch	1 leg	2 legs(0-45°)	Rope	A	B	D	kg	
10-MLK-12	7/32(6mm)	1.22	2.2	2.8	127	63.5	13	0.36	505026012
	1/4(7mm)	2	/						
10-MLK-13	1/4(7mm)	2	3.4	3.4	127	70	16	0.6	505026013
	5/16	2.6	/						
10-MLK-16	5/16	2.6	/	4	152	76	16	0.7	505026016
10-MLK-19	5/16	2.6	4.5	5.6	152	80	18	0.9	505026019
	3/8	4	/						
10-MLK-22	3/8	4	6.9	6.9	160	95	22	1.5	505026022
	1/2	6.8	/						
10-MLK-25	1/2	6.8	11.8	11.8	190	110	27	2.8	505026025
	5/8	10.3	/						
10-MLK-32	5/8	10.3	17.7	17.7	240	140	33	5.4	505026032
	3/4	16	/						
10-MLK-38	3/4	16	27.7	27.7	267	150	40	8.2	505026038
	7/8	19.4	/						
10-MLK-45	7/8	19.4	33.6	38.5	305	152	45	11.4	505026045
	1	27.1	/						
10-MLK-51	1	27.1	46.9	46.5	355	178	51	16.8	505026051
	1-1/4	41	/						
10-MLK-57	1-1/4	41	64.9	64.9	406	203	57	24.5	505026057
10-MLK-64	1-1/4	41	71	72.6	406	203	64	31.1	505026064

## GRADE 100 U.S. TYPE MASTER LINK ASSEMBLY, MLA TYPE

Standard: ASTM A952  
 Material: alloy steel - quenched and tempered  
 Surface finish: powder coated  
 Proof load: 2 times the Working Load Limit  
 Safety factor: 4:1



\*Engineered flat for use with omega link.

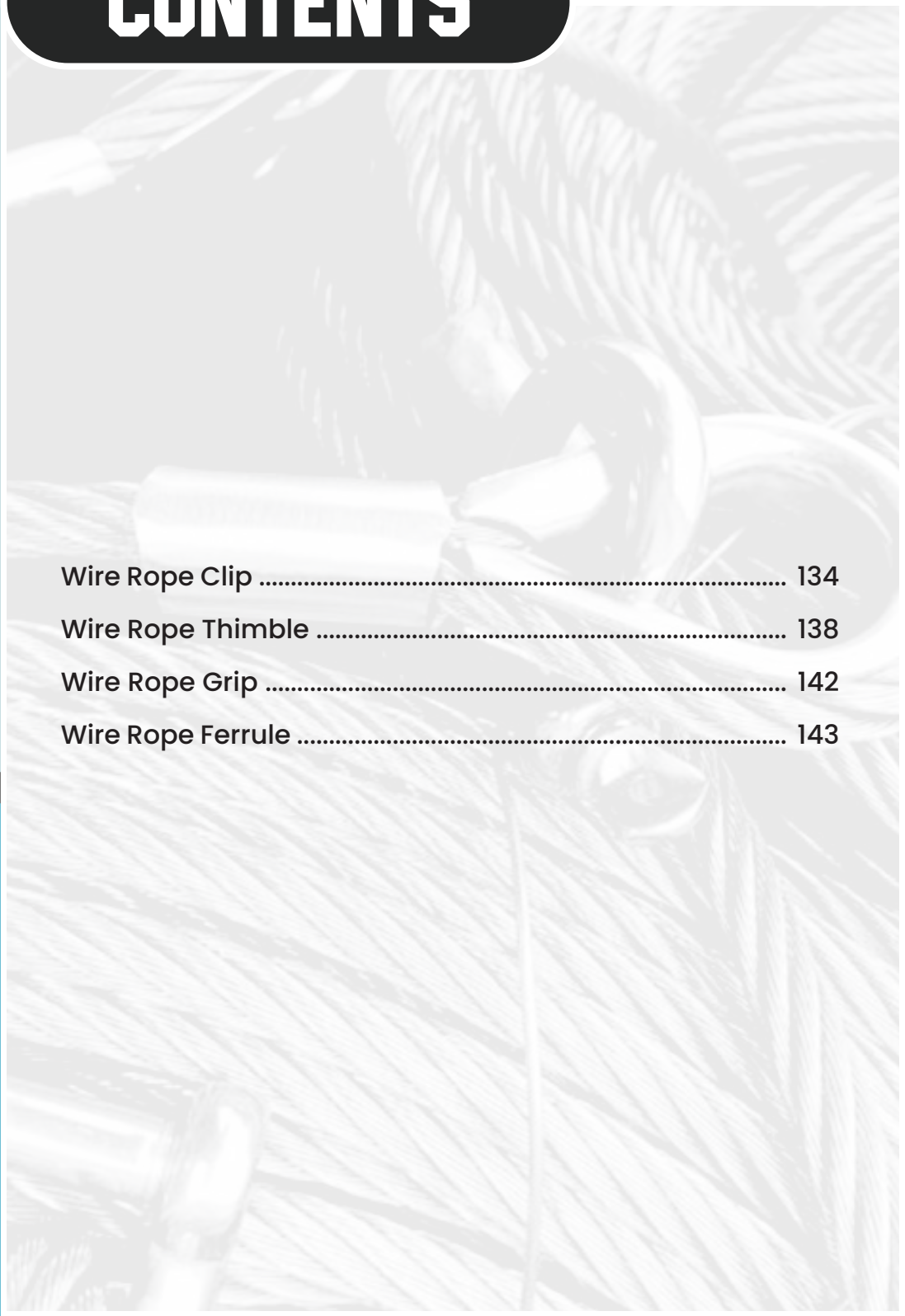
Item No.	Chain Size	WLL/T		Main Dimensions(mm)						Weight	Product Code
	inch	3 or 4 leg (0-45°)	Rope	A	B	D	a	b	d	kg	
10-MLA-20	1/4 (7mm)	5.1	5.6	152	80	18	85	45	14	1.59	505027020
10-MLA-22	5/16	6.7	6.9	160	95	22	85	45	16	2.18	505027022
10-MLA-25	3/8	10.4	11.8	190	110	27	100	60	18	4.22	505027025
10-MLA-32	1/2	17.7	17.7	240	140	33	160	90	25	7.17	505027032
10-MLA-38	5/8	26.6	27.7	267	150	40	180	100	32	15.2	505027038
10-MLA-45	3/4	41.6	38.5	305	152	45	180	100	38	22.1	505027045
10-MLA-57	7/8	50.3	64.9	406	203	57	203	140	45	41.4	505027057
10-MLA-64	1	70.4	72.6	406	203	64	355	178	50	64.4	505027064
10-MLA-83	1-1/4	106.6	118.9	508	254	83	406	203	60	121	505027083

# WIRE ROPE/WIRE ROPE SLING/COMPONENTS





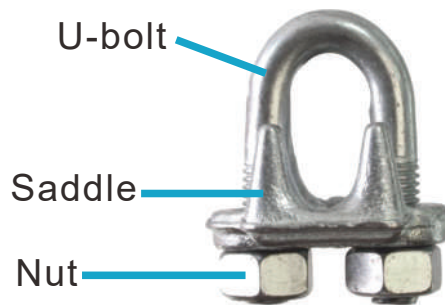
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Wire Rope Ferrule .....	143

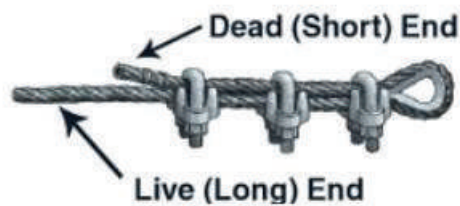
## WIRE ROPE CLIP

A wire rope clip, sometimes called a u-bolt clamp or u-bolt clip, is used to clamp the loose end of a length of wire rope, once it has been looped back to form an eye. These fittings consist of a u-bolt and have a saddle secured by two nuts. Generally, wire rope assemblies need at least two or three wire rope clips to secure the ends properly to the length of the rope.



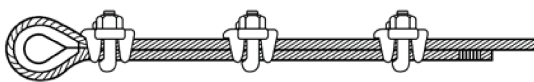
### HOW TO USE WIRE ROPE CLIP

The saddle of the clip is the piece that fits into the U bolt. The dead-end of a wire rope is the end of the eye that contains the cut side. The U bolt should always be in contact with the dead-end, while the saddle should be on the live end.

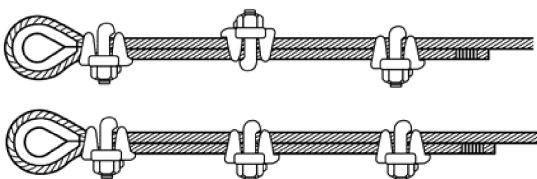


#### Usage of wire rope clips

The first clip has to be mounted close to the thimble. The distance between the wire rope clips has to be at least 1.5-times the width of a wire rope clip. The brackets have to be on the unstressed rope end.



The Right Way to Clip Wire Rope



The Wrong Way to Clip Wire Rope

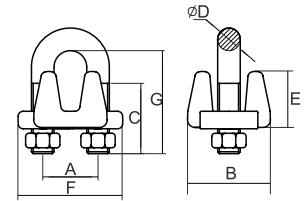




# WIRE ROPE CLIP

## U.S. TYPE DROP FORGED WIRE ROPE CLIPS

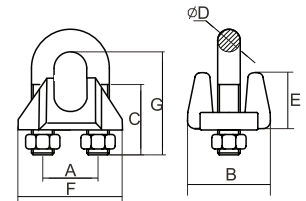
Drop forged saddles.  
Electro galvanized or hot dip galvanized.  
Other U-bolt's colors are also available.  
Meet Federal Specification FF-C-450 TYPE 1 CLASS 1



Item No.	Size	Dimensions(Inch)							Weight	Product Code
		A	B	C	D	E	F	G	kg	
WRCH03	1/8"	0.47	0.81	0.44	0.22	0.37	0.99	0.72	0.03	603001003
WRCH05	3/16"	0.59	0.94	0.56	0.25	0.50	1.18	0.97	0.05	603001005
WRCH06	1/4"	0.75	1.19	0.50	0.31	0.66	1.43	1.03	0.08	603001006
WRCH08	5/16"	0.88	1.31	0.75	0.38	0.73	1.66	1.38	0.125	603001008
WRCH10	3/8"	1.00	1.63	0.75	0.44	0.91	1.94	1.50	0.204	603001010
WRCH11	7/16"	1.19	1.91	1.00	0.50	1.13	2.28	1.88	0.32	603001011
WRCH13	1/2"	1.19	1.91	1.00	0.50	1.13	2.28	1.88	0.33	603001013
WRCH14	9/16"	1.31	2.06	1.25	0.56	1.34	2.50	2.25	0.44	603001014
WRCH16	5/8"	1.31	2.06	1.25	0.56	1.34	2.50	2.25	0.45	603001016
WRCH19	3/4"	1.50	2.25	1.44	0.62	1.39	2.84	2.75	0.64	603001019
WRCH22	7/8"	1.75	2.44	1.62	0.75	1.58	3.16	3.12	0.94	603001022
WRCH26	1"	1.88	2.63	1.81	0.75	1.77	3.47	3.50	1.1	603001026
WRCH30	1-1/8"	2.00	2.81	2.00	0.75	1.91	3.59	3.88	1.252	603001030
WRCH32	1-1/4"	2.34	3.13	2.22	0.88	2.17	4.13	4.44	1.85	603001032
WRCH36	1-3/8"	2.34	3.13	2.22	0.88	2.31	4.19	4.44	2	603001036
WRCH38	1-1/2"	2.59	3.41	2.38	0.88	2.44	4.44	4.94	2.4	603001038
WRCH42	1-5/8"	2.75	3.63	2.62	1.00	2.66	4.75	5.31	3.1	603001042
WRCH45	1-3/4"	3.06	3.81	2.75	1.13	2.92	5.24	5.75	3.9	603001045
WRCH50	2"	3.38	4.44	3.00	1.25	3.03	5.88	6.44	5.6	603001050
WRCH58	2-1/4"	3.88	4.56	3.19	1.25	3.19	6.38	7.13	6.5	603001058
WRCH64	2-1/2"	4.13	4.69	3.44	1.25	3.69	6.63	7.69	8	603001064
WRCH69	2-3/4"	4.38	5.00	3.56	1.25	4.88	6.88	8.31	10.4	603001069
WRCH76	3"	4.75	5.31	3.88	1.50	4.44	7.61	9.19	14	603001076
WRCH89	3-1/2"	5.50	6.19	4.50	1.50	6.00	8.38	10.75	18	603001089

## U.S. TYPE MALLEABLE WIRE ROPE CLIPS

Cast saddles.  
Electro galvanized or hot dip galvanized.  
Meet Federal Specification FF-C-450 D, TYPE 1, CLASS 2.

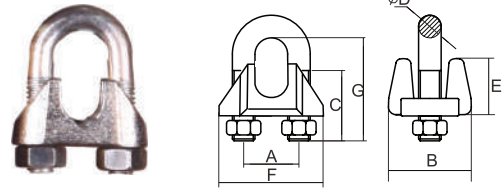


Item No.	Size	Dimensions(Inch)							Weight	Product Code
		A	B	C	D	E	F	G	kg	
WRM02	1/16"	0.38	0.45	0.45	0.15	0.45	0.69	0.65	0.008	603002002
WRM03	1/8"	0.50	0.56	0.50	0.18	0.50	0.94	0.81	0.016	603002003
WRM05	3/16"	0.56	0.63	0.56	0.25	0.56	1.06	0.94	0.028	603002005
WRM06	1/4"	0.75	0.75	0.75	0.31	0.75	1.31	1.19	0.05	603002006
WRM08	5/16"	0.75	0.75	0.84	0.31	0.84	1.44	1.31	0.058	603002008
WRM10	3/8"	0.88	0.88	1.00	0.38	1.00	1.63	1.63	0.098	603002010
WRM11	7/16"	1.06	1.06	1.19	0.44	1.19	1.88	2.00	0.159	603002011
WRM13	1/2"	1.06	1.06	1.19	0.44	1.19	1.88	2.00	0.159	603002013
WRM14	9/16"	1.25	1.28	1.38	0.50	1.38	2.09	2.31	0.21	603002014
WRM16	5/8"	1.25	1.28	1.38	0.50	1.38	2.09	2.31	0.223	603002016
WRM19	3/4"	1.31	1.56	1.56	0.56	1.56	2.38	2.56	0.343	603002019
WRM22	7/8"	1.63	1.81	1.81	0.63	1.81	2.88	3.06	0.484	603002022
WRM26	1"	1.88	2.00	2.00	0.63	2.00	3.00	3.44	0.64	603002026
WRM30	1-1/8"	2.00	2.06	2.75	0.75	2.75	3.38	4.00	0.95	603002030

## WIRE ROPE CLIP

### DIN 741 MALLEABLE WIRE ROPE CLIP

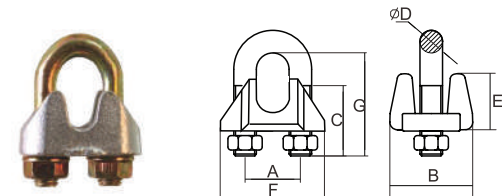
Cast saddles.  
Electro galvanized or hot dip galvanized.  
Sizes up to 50MM are available.



Item No.	Size	Dimensions(mm)							Weight kg	Product Code
		A	B	C	D	E	F	G		
WRCD03	3MM	9	10	12	4	10	21	16	0.008	603003003
WRCD05	5MM	11	11	13	5	10	23	19	0.012	603003005
WRCD06	6.5MM	13	12	15	5	11	26	23	0.015	603003006
WRCD08	8MM	16	14	19	6	15	30	28	0.028	603003008
WRCD10	10MM	19	18	22	8	17	34	34	0.055	603003010
WRCD11	11MM	20	19	22	8	18	36	36	0.059	603003011
WRCD13	13MM	24	23	30	10	21	42	45	0.105	603003013
WRCD14	14MM	25	23	30	10	22	44	47	0.12	603003014
WRCD16	16MM	29	26	33	12	26	50	51	0.17	603003016
WRCD19	19MM	32	29	38	12	30	54	63	0.215	603003019
WRCD22	22MM	37	33	44	14	34	61	71	0.34	603003022
WRCD26	26MM	41	35	45	14	37	65	81	0.39	603003026
WRCD30	30MM	48	37	50	16	43	74	94	0.6	603003030
WRCD34	34MM	52	42	55	16	50	80	104	0.72	603003034
WRCD40	40MM	58	45	60	16	55	88	124	0.88	603003040

### DIN 1142 MALLEABLE WIRE ROPE CLIPS

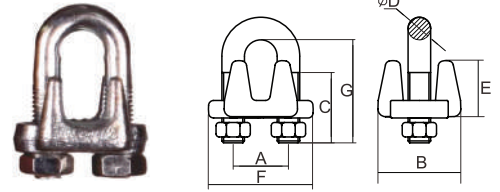
Cast saddles.  
Electro galvanized or yellow chromed.



Item No.	Size	Dimensions(mm)							Weight kg	Product Code
		A	B	C	D	E	F	G		
WRCE05	5MM	12	13	13	5	13	25	20	0.021	603004005
WRCE06	6.5MM	14	16	17	6	14	30	26	0.037	603004006
WRCE08	8MM	18	20	20	8	18	39	33	0.075	603004008
WRCE10	10MM	20	20	24	8	21	40	38	0.083	603004010
WRCE13	13MM	27	28	30	12	29	55	52	0.236	603004013
WRCE16	16MM	32	32	35	14	35	64	64	0.41	603004016
WRCE19	19MM	36	32	36	14	40	68	69	0.46	603004019
WRCE22	22MM	40	34	40	16	44	74	80	0.626	603004022
WRCE26	26MM	46	38	50	20	51	84	91	1	603004026
WRCE30	30MM	54	41	55	20	59	95	107	1.34	603004030
WRCE34	34MM	60	45	60	22	67	105	119	1.88	603004034
WRCE40	40MM	68	49	65	24	77	117	135	2.56	603004040

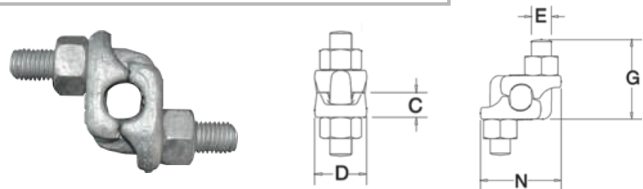
# WIRE ROPE CLIP

## MALLEABLE WIRE ROPE CLIPS TYPE A



Item No.	Size	Dimensions(mm)							Weight	Product Code
		A	B	C	D	E	F	G	kg	
WRCA06	6MM	12	17	14	5	14	23	24	0.021	603005006
WRCA08	8MM	15	21	16	6	17	28	30	0.038	603005008
WRCA10	10MM	19	28	20	8	21	38	37	0.076	603005010
WRCA12	12MM	24	34	25	10	27	45	47	0.145	603005012
WRCA15	15MM	29	40	30	12	32	52	56	0.241	603005015
WRCA20	20MM	36	47	36	14	38	62	70	0.42	603005020
WRCA22	22MM	40	52	39	16	43	69	77	0.42	603005022
WRCA25	25MM	43	56	44	18	50	76	85	0.813	603005025
WRCA28	28MM	48	62	48	20	57	85	95	1.2	603005028
WRCA32	32MM	55	67	51	22	61	93	108	1.465	603005032
WRCA40	40MM	64	81	62	24	73	111	120	2.5	603005040
WRCA45	45MM	72	88	70	27	86	123	137	3.3	603005045
WRCA50	50MM	80	95	80	30	95	135	154	4.6	603005050

## U.S. TYPE DROP FORGED FIST GRIP WIRE ROPE CLIPS

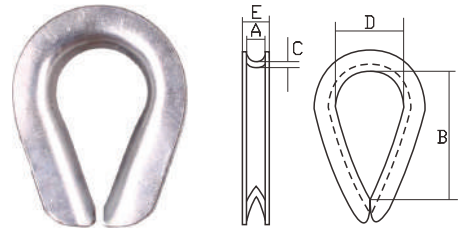


Item No.	Size	Dimensions(inch)					Weight	Product Code
		C	D	E	G	N	kg	
WRCF06	3/16"-1/4"	0.40	0.94	0.38	1.41	1.44	0.08	603006006
WRCF08	5/16"	0.47	1.06	0.38	1.50	1.54	0.13	603006008
WRCF10	3/8"	0.51	1.06	0.44	1.84	1.78	0.18	603006010
WRCF11	7/16"	0.59	1.25	0.50	2.21	2.15	0.32	603006011
WRCF13	1/2"	0.59	1.25	0.50	2.21	2.15	0.32	603006013
WRCF14	9/16"	0.72	1.50	0.63	2.72	2.57	0.45	603006014
WRCF16	5/8"	0.72	1.50	0.63	2.72	2.57	0.45	603006016
WRCF19	3/4"	0.86	1.81	0.75	2.94	2.67	0.79	603006019
WRCF22	7/8"	0.97	2.12	0.75	3.31	2.86	1.02	603006022
WRCF25	1"	1.13	2.25	0.75	3.72	3.06	1.36	603006025
WRCF30	1-1/8"	1.28	2.38	0.88	4.22	3.44	1.81	603006030
WRCF32	1-1/4"	1.34	2.50	0.88	4.25	3.56	1.81	603006032
WRCF36	1-3/8"	1.56	3.00	1.00	5.56	4.12	3.18	603006036
WRCF38	1-1/2"	1.56	3.00	1.00	5.56	4.12	3.18	603006038

## WIRE ROPE THIMBLE

### U.S. TYPE HEAVY DUTY WIRE ROPE THIMBLE

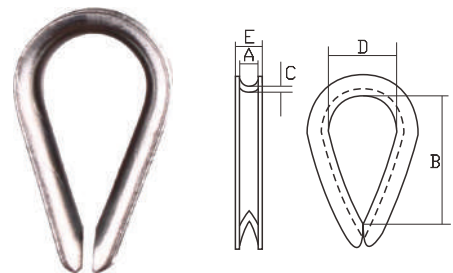
Electro galvanized or hot dip galvanized.  
Meets Federal Specification FF-T-276b Type III.  
Sizes up to 4" are available.



Item No.	Size	Dimensions(inch)					Weight	Product Code
		A	B	C	D	E	kg	
WRTHD006	1/4"	0.28	1.62	0.06	0.88	0.41	0.025	604001006
WRTHD008	5/16"	0.34	1.88	0.08	1.06	0.50	0.044	604001008
WRTHD010	3/8"	0.41	2.12	0.11	1.12	0.63	0.086	604001010
WRTHD011	7/16"	0.47	2.38	0.12	1.25	0.72	0.11	604001011
WRTHD013	1/2"	0.53	2.75	0.14	1.50	0.81	0.205	604001013
WRTHD014	9/16"	0.59	2.75	0.15	1.50	0.89	0.205	604001014
WRTHD016	5/8"	0.66	3.25	0.16	1.75	1.00	0.27	604001016
WRTHD019	3/4"	0.78	3.75	0.22	2.00	1.22	0.55	604001019
WRTHD022	7/8"	0.94	4.25	0.22	2.25	1.38	0.8	604001022
WRTHD026	1"	1.06	4.50	0.25	2.50	1.56	1	604001026
WRTHD032	1-1/8"-1-1/4"	1.31	5.12	0.25	2.88	1.88	1.47	604001032
WRTHD036	1-1/4"-1-3/8"	1.44	6.25	0.37	3.50	2.25	3.4	604001036
WRTHD038	1-3/8"-1-1/2"	1.56	6.50	0.50	3.50	2.62	4.5	604001038
WRTHD042	1-5/8"	1.72	8.00	0.50	4.00	3.00	5.67	604001042
WRTHD045	1-3/4"	1.84	9.00	0.50	4.50	3.06	6.9	604001045
WRTHD050	1-7/8"-2"	2.09	12.00	0.50	6.00	3.38	9.45	604001050
WRTHD056	2-1/4"	2.38	14.00	0.62	7.00	3.88	17.6	604001056

### U.S. TYPE STANDARD WIRE ROPE THIMBLE

Electro galvanized or hot dip galvanized.  
Meets Federal Specification FF-T-276b Type III.  
Sizes up to 2-1/2" are available.

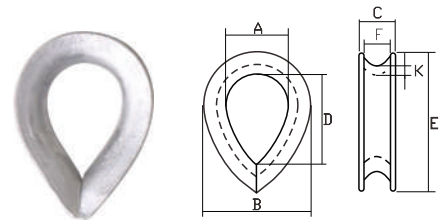


Item No.	Size	Dimensions(inch)					Weight	Product Code
		A	B	C	D	E	kg	
WRTLD003	1/8"	0.16	1.31	0.05	0.69	0.25	0.013	604002003
WRTLD004	3/16"	0.22	1.31	0.05	0.69	0.31	0.013	604002004
WRTLD006	1/4"	0.28	1.31	0.05	0.69	0.38	0.013	604002006
WRTLD008	5/16"	0.34	1.50	0.05	0.81	0.44	0.018	604002008
WRTLD010	3/8"	0.41	1.63	0.06	0.94	0.53	0.030	604002010
WRTLD013	1/2"	0.53	1.88	0.08	1.13	0.69	0.057	604002013
WRTLD016	5/8"	0.66	2.25	0.13	1.38	0.91	0.157	604002016
WRTLD019	3/4"	0.78	2.50	0.14	1.63	1.08	0.214	604002019
WRTLD022	7/8"	0.94	3.50	0.16	1.88	1.27	0.384	604002022
WRTLD026	1"	1.06	4.25	0.16	2.50	1.39	0.443	604002026
WRTLD032	1-1/8"-1-1/4"	1.31	4.50	0.22	2.75	1.75	0.794	604002032

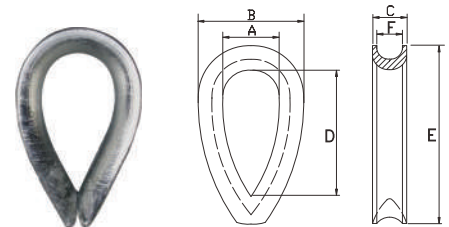
# WIRE ROPE THIMBLE

## BS 464 WIRE ROPE THIMBLE

Electro galvanized or hot dip galvanized.



Item No.	Size		Dimensions(mm)							Weight	Product Code
			A	B	C	D	E	F	K	kg	
WRTBS08	5/16"	8MM	22.2	38	12.7	33.4	52	7.9	4	0.05	604003008
WRTBS10	3/8"	10MM	25.4	47.6	14.3	38	64	10.3	4	0.09	604003010
WRTBS11	7/16"	11MM	28.6	52	17.5	41.3	73	12.7	4.5	0.12	604003011
WRTBS13	1/2"	13MM	31.7	58.8	20.6	44.5	79.4	14.3	5.5	0.16	604003013
WRTBS14	9/16"	14MM	38	64	20.6	56	88	15.4	5.5	0.17	604003014
WRTBS16	5/8"	16MM	41.3	74.5	22.2	58.8	95.8	15.9	7.5	0.26	604003016
WRTBS17	11/16"	17MM	44.5	79.4	28.6	66.6	108	19	7.5	0.38	604003017
WRTBS19	3/4"	19MM	50.8	92	28.6	73	124	20.6	8.5	0.45	604003019
WRTBS21	13/16"	21MM	50.8	92	28.6	73	121	20.6	9.5	0.56	604003021
WRTBS22	7/8"	22MM	56	102	31.7	82.5	131	22.2	10	0.67	604003022
WRTBS24	15/16"	24MM	64	110	33.4	92	146	25.4	10	0.83	604003024
WRTBS25	1"	25MM	69.8	119	35	108	162	27	10	0.92	604003025
WRTBS29	1-1/8"	29MM	76.2	133	38	112	178	28.6	10	1.27	604003029
WRTBS32	1-1/4"	32MM	95	152	41.3	133	197	33.4	10	1.6	604003032
WRTBS35	1-3/8"	35MM	105	175	47.6	152	228	38	13.5	2.35	604003035
WRTBS38	1-1/2"	38MM	114	197	52	165	254	41.3	13.5	3.3	604003038
WRTBS41	1-5/8"	41MM	114	197	57	165	254	47	13.5	3.3	604003041
WRTBS44	1-3/4"	44MM	127	228	57	178	286	50.8	19	6.25	604003044
WRTBS48	1-7/8"	48MM	133	248	66.6	190	317	60.4	20	7.7	604003048
WRTBS51	2"	51MM	140	257	69.8	203	330	64	20	8.05	604003051
WRTBS54	2-1/8"	54MM	140	257	69.8	203	330	64	20	8.3	604003054
WRTBS57	2-1/4"	57MM	160	296	76.2	246	356	66.6	26	8.6	604003057
WRTBS64	2-1/2"	64MM	170	300	93	255	420	75	26	17	604003064



## DIN 3090 HEAVY DUTY THIMBLE

Electro galvanized or hot dip galvanized.

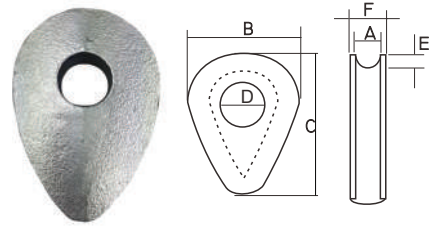
Item No.	Rope Diameter	Dimensions(mm)						Weight	Product Code
		A	B	C	D	E	F	kg	
WRTDC06	6MM	16	30	10.5	30	48	7	0.02	604004006
WRTDC08	8MM	20	42	13.5	41	65	9	0.075	604004008
WRTDC10	10MM	27	53	15	50	80	12	0.13	604004010
WRTDC12	12MM	30	53	17	52	90	13	0.2	604004012
WRTDC14	14MM	36	67.5	22	69	105	16	0.26	604004014
WRTDC16	16MM	42	79	24	85	125	18	0.34	604004016
WRTDC18	18MM	47	85	28	94	143	20	0.5	604004018
WRTDC20	20MM	53	92	30	100	150	22	0.68	604004020
WRTDC22	22MM	57	106	33	112	165	24	0.87	604004022
WRTDC24	24MM	62	110	35	125	178	26	0.99	604004024
WRTDC26	26MM	68	123	43	133	200	29	1.58	604004026
WRTDC28	28MM	70	128	44	140	215	32	2	604004028
WRTDC32	32MM	82	145	48	162	233	35	2.42	604004032
WRTDC36	36MM	94	165	54	180	277	39	3.6	604004036
WRTDC40	40MM	103	200	60	200	322	44	6.4	604004040
WRTDC44	44MM	114	222	64	225	346	50	8	604004044



# WIRE ROPE THIMBLE

## DIN 3091 HEAVY MALLEABLE WIRE ROPE THIMBLES

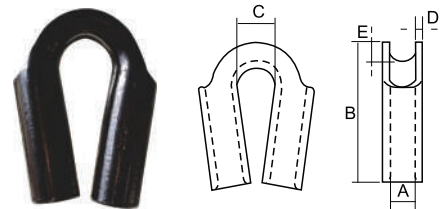
Electro galvanized or hot dip galvanized



Item No.	Rope Diameter	Dimensions(mm)						Weight kg	Product Code
		A	B	C	D	E	F		
WRTDD08	8MM	9	40	56	14	4.5	15	0.137	604005008
WRTDD10	10MM	11	50	70	18	6	17.5	0.255	604005010
WRTDD12	12MM	13	60	84	21	7.5	20	0.442	604005012
WRTDD14	14MM	16	70	98	25	9	23.5	0.648	604005014
WRTDD16	16MM	18	80	110	28	10.5	26	0.91	604005016
WRTDD18	18MM	20	90	130	31	12	28.5	1.285	604005018
WRTDD20	20MM	22	100	140	35	13.5	31	1.67	604005020
WRTDD22	22MM	24	110	150	38	15	33.5	2.11	604005022
WRTDD24	24MM	26	120	170	41	16.5	36	2.6	604005024
WRTDD26	26MM	29	130	180	44	18	39.5	3.62	604005026
WRTDD28	28MM	31	140	200	47	20	42	4.38	604005028
WRTDD32	32MM	35	160	220	53	23	47	6.05	604005032
WRTDD36	36MM	40	180	250	59	26	53	8.61	604005036
WRTDD40	40MM	44	200	280	65	29	58	11.8	604005040

## TUBE THIMBLE

The thimbles are heavy duty and usable for wire rope and synthetic rope.  
Powder coated

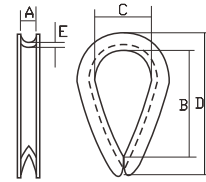


Item No.	For Wire Max.(mm)	Dimensions(mm)					Weight kg	Product Code
		A	B	C	D	E		
WRTTT712	10	12	84	23	4	8	0.24	604006712
WRTTT715	12	15	95	27	5	8	0.4	604006715
WRTTT717	14	17	100	27	5	8.5	0.45	604006717
WRTTT719	16	19	112	32	5	12	0.59	604006719
WRTTT722	18	22	125	35	5	13	0.7	604006722
WRTTT725	22	25	150	45	6	15	1.23	604006725
WRTTT728	24	28	157	45	7	16	1.63	604006728
WRTTT730	25	30	170	47	7	18	1.91	604006730
WRTTT735	32	35	190	60	7	21	2.43	604006735
WRTTT740	36	40	212	70	7	25	3.01	604006740
WRTTT745	38	45	228	70	7	26	3.6	604006745
WRTTT750	42	50	255	75	7	28	4.45	604006750
WRTTT755	48	55	268	80	7	31	5.38	604006755

# WIRE ROPE THIMBLE

## DIN6899 A TYPE WIRE ROPE THIMBLE

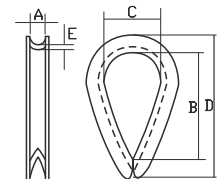
Electro galvanized or hot dip galvanized



Item No.	Size	Dimensions(mm)					Weight (kg)	Product Code
		A	B	C	D	E		
WRTDA002	2.5MM	3	21.5	10	28	1	0.0038	604007002
WRTDA003	3MM	3	23	11	30	1	0.0038	604007003
WRTDA004	4MM	4	26.5	12.5	34	1	0.0045	604007004
WRTDA005	5MM	5	29	13	37	1	0.0064	604007005
WRTDA006	6MM	6	29.5	14	39	1	0.0077	604007006
WRTDA007	7MM	7	33	15	44	1.2	0.0122	604007007
WRTDA008	8MM	8	35	17	46.5	1.2	0.0135	604007008
WRTDA009	9MM	10	37.5	18	50	1.2	0.0175	604007009
WRTDA010	10MM	10.9	43	20	61	1.5	0.0265	604007010
WRTDA011	11MM	11	47.5	23	62.5	1.5	0.031	604007011
WRTDA012	12MM	12.5	52.5	24	68	1.5	0.034	604007012
WRTDA013	13MM	13	57	26.5	75	2	0.058	604007013
WRTDA014	14MM	14	64	28	80.5	2	0.073	604007014
WRTDA016	16MM	16	67	32	91	2.5	0.1	604007016
WRTDA018	18MM	18.5	71	36	100.5	3	0.16	604007018
WRTDA020	20MM	20	80	41	113	3.5	0.21	604007020
WRTDA022	22MM	23	89.5	44	125	4	0.36	604007022
WRTDA024	24MM	24	100	50	135	4	0.38	604007024
WRTDA028	28MM	29	112	58.5	157	5	0.62	604007028

## DIN6899 B TYPE WIRE ROPE THIMBLE

Medium-weight, with deep groove  
Electro galvanized or hot dip galvanized



Item No.	Rope Diameter (mm)	Dimensions(mm)					Weight (kg)	Product Code
		A	B	C	D	E		
WRTDB003	2.5	3	19	12	22	1.6	0.003	604008003
WRTDB004	3.5	4	21	13	26	1.6	0.008	604008004
WRTDB005	4	5	23	14	32	1.9	0.01	604008005
WRTDB006	5	6	25	16	38	2.4	0.016	604008006
WRTDB007	6	7	28	18	44	2.4	0.019	604008007
WRTDB008	7	8	32	20	51	2.8	0.03	604008008
WRTDB010	9	10	38	24	57	3.1	0.047	604008010
WRTDB012	11	12	45	28	64	3.3	0.068	604008012
WRTDB013	12	13	48	30	70	3.3	0.08	604008013
WRTDB014	13	14	51	32	76	3.7	0.1	604008014
WRTDB016	15	16	58	36	83	3.8	0.145	604008016
WRTDB017	16	17	61	38	89	4.5	0.18	604008017
WRTDB018	16	18	64	40	95	4.78	0.2	604008018
WRTDB020	18	20	72	45	102	5.7	0.29	604008020
WRTDB022	20	22	80	50	114	5.7	0.3	604008022
WRTDB024	22	24	90	56	127	6.5	0.47	604008024
WRTDB026	24	26	99	62	140	6.8	0.59	604008026
WRTDB028	26	28	112	70	152	8	0.8	604008028
WRTDB030	28	30	120	75	165	8	1.1	604008030
WRTDB032	30	32	128	80	178	8	1.23	604008032
WRTDB034	32	34	152	95	203	8	1.4	604008034
WRTDB036	34	36	160	100	216	8.5	1.5	604008036
WRTDB038	36	38	176	110	229	8.5	1.7	604008038
WRTDB040	38	40	184	115	241	10.5	2	604008040
WRTDB042	40	42	192	120	254	10.5	2.15	604008042
WRTDB045	42	45	240	150	305	10.5	3.8	604008045

## WIRE ROPE GRIP

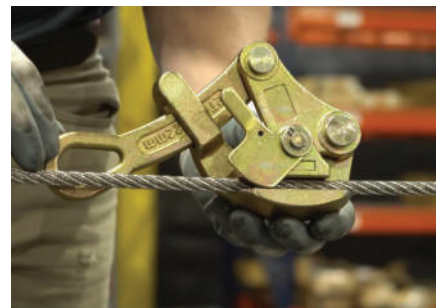
Widely to be used in the power, communications and general construction fields to pull wire and cable.

- Forged alloy steel construction
- Zinc plated surface treatment for WRG type, and powder coated surface treatment for WRC type.
- The parallel jaws give a firm non-slip grip, not damaging the wire.
- Used for pulling up lines to tension only, not to be used as anchors.



### WIRE ROPE GRIPS WRG TYPE

Item No.	Capacity (t)	Diameter (mm)	N. W. (kg)	Product Code
WRG-05	0.5	1-10	0.4	625001005
WRG-10	1	2.6-15	0.7	625001010
WRG-20	2	4-22	1.3	625001020
WRG-30	3	16-32	2.3	625001030



### WIRE ROPE GRIPS WRC TYPE

Item No.	Capacity (t)	Diameter (mm)	N. W. (kg)	Product Code
WRC-10	1	8-10	0.9	605101010
WRC-20	2	12-14	2.1	605101020
WRC-30	3	16-20	5.0	605101030
WRC-50	5	22-26	6.7	605101050
WRC-60	6	28-32	7.5	605101060



# WIRE ROPE FERRULE

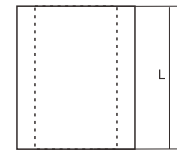
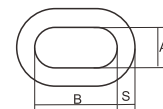
## ALUMINIUM FERRULES

Aluminium ferrules provide the perfect way to secure a steel wire rope fitting in place with a tight compression fit. Size of the ferrule must be compatible to the diameter of the wire rope.

Note: aluminium sleeves are not recommended when using stainless steel cable, use zinc plated or copper sleeves instead.

### DIN3093 ALUMINIUM FERRULES

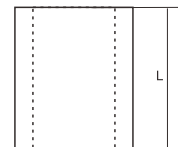
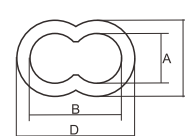
Item No.	Size	Dimensions(mm)				Weight	Product Code
	mm	A	B	S	L	kgs/1000pcs	
WRFAF010	1	1.2	2.4	0.65	5	0.098	606001010
WRFAF015	1.5	1.7	3.4	0.75	6	0.176	606001015
WRFAF020	2	2.2	4.4	0.85	7	0.285	606001020
WRFAF025	2.5	2.7	5.4	1.05	9	0.439	606001025
WRFAF030	3	3.3	6.6	1.25	11	0.907	606001030
WRFAF035	3.5	3.8	7.6	1.5	13	1.18	606001035
WRFAF040	4	4.4	8.8	1.7	14	1.63	606001040
WRFAF045	4.5	4.9	9.8	1.9	16	2.39	606001045
WRFAF050	5	5.5	11.0	2.1	18	3.62	606001050
WRFAF060	6	6.6	13.2	2.5	21	5.87	606001060
WRFAF065	6.5	7.2	14.4	2.7	23	7.18	606001065
WRFAF070	7	7.8	15.6	2.9	25	9.83	606001070
WRFAF080	8	8.8	17.6	3.3	28	12.96	606001080
WRFAF090	9	9.9	19.8	3.7	32	18.94	606001090
WRFAF100	10	10.9	21.8	4.1	35	24.09	606001100
WRFAF110	11	12.1	24.2	4.5	39	35.35	606001110
WRFAF120	12	13.2	26.4	4.9	42	44.18	606001120
WRFAF130	13	14.2	28.4	5.4	46	59.86	606001130
WRFAF140	14	15.3	30.6	5.8	49	73.5	606001140
WRFAF160	16	17.5	35.0	6.7	56	111	606001160
WRFAF180	18	19.6	39.2	7.6	63	156	606001180
WRFAF200	20	21.7	43.4	8.4	70	217	606001200
WRFAF220	22	24.3	48.6	9.2	77	292	606001220
WRFAF240	24	26.4	52.8	10.0	84	376	606001240
WRFAF260	26	28.5	57.0	10.9	91	481	606001260
WRFAF280	28	31.0	62.0	11.7	98	603	606001280
WRFAF300	30	33.1	66.2	12.5	105	739	606001300
WRFAF320	32	35.2	70.4	13.4	112	897	606001320
WRFAF340	34	37.8	75.6	14.2	119	1077	606001340
WRFAF360	36	39.8	79.6	15.0	126	1275	606001360
WRFAF380	38	41.9	83.8	15.8	133	1503	606001380
WRFAF400	40	44.0	88.0	16.6	140	1734	606001400
WRFAF420	42	46.2	92.4	17.5	147	2024	606001420
WRFAF440	44	48.4	96.8	18.3	154	2314	606001440
WRFAF460	46	50.6	101.2	19.2	161	2662	606001460
WRFAF480	48	52.8	105.6	20.0	168	3010	606001480
WRFAF500	50	55.0	110.0	20.8	175	3412	606001500
WRFAF520	52	57.2	114.4	21.6	182	3813	606001520
WRFAF540	54	59.4	118.8	22.5	189	4293	606001540
WRFAF560	56	61.6	123.2	23.3	196	4772	606001560
WRFAF580	58	63.8	127.6	24.2	203	5326	606001580
WRFAF600	60	66.0	132.0	25.0	210	5880	606001600



Wire Rope Sleeve Press Machine  
(Machine is also available)

### ALUMINIUM HOURGLASS SLEEVES

Item No.	Size	Dimensions(inch)					Weight	Product Code
	inch	A	B	C	D	L	kgs/1000pcs	
WRFAH0364	3/64	1/16	1/8	9/64	13/64	3/8	0.276	6060020364
WRFAH0116	1/16	5/64	5/32	11/64	1/4	3/8	0.433	6060020116
WRFAH0564	5/64	3/32	3/16	13/64	5/16	3/8	0.645	6060020564
WRFAH0332	3/32	1/8	1/4	9/32	13/32	1/2	1.45	6060020332
WRFAH0108	1/8	5/32	5/16	11/32	1/2	5/8	2.70	6060020108
WRFAH0532	5/32	3/16	3/8	3/8	9/16	11/16	3.67	6060020532
WRFAH0316	3/16	7/32	7/16	7/16	21/32	1	7.18	6060020316
WRFAH0732	7/32	1/4	1/2	1/2	3/4	1-1/16	10.00	6060020732
WRFAH0104	1/4	9/32	9/16	17/32	13/16	1-1/8	11.76	6060020104
WRFAH0932	9/32	5/16	5/8	9/16	7/8	1-3/16	13.62	6060020932
WRFAH0516	5/16	3/8	23/32	11/16	1-1/32	1-1/4	20.94	6060020516
WRFAH0308	3/8	7/16	27/32	3/4	1-5/32	1-7/16	28.18	6060020308
WRFAH0716	7/16	1/2	1	15/16	1-7/16	1-11/16	52.00	6060020716
WRFAH0102	1/2	9/16	1-1/8	1-1/16	1-5/8	2	80.15	6060020102
WRFAH0916	9/16	5/8	1-1/4	1-1/8	1-3/4	2-1/8	99.88	6060020916
WRFAH0508	5/8	11/16	1-3/8	1-1/4	1-15/16	2-1/2	139.78	6060020508





# RIGGING HARDWARE AND COMMERCIAL CHAIN





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# SHACKLE

## SHACKLE OVERVIEW

### General

Shackles are used in lifting static systems as removable links to connect wire rope, chain and other fittings. Shackles can be used in a variety of different applications, including:

- Rigging
- Towing or pulling
- Lifting
- Hoisting
- Tie-down

### Selecting the Correct Shackle

Shackles are available in a range of material grades, sizes and designs. Select the shackle to be used and plan the lift taking the following into account:

- Type of shackle: anchor / bow shackles vs. chain/dee shackles



Suitable for both one-leg and multi-leg systems



Suitable for one-leg systems only

- Type of pin: screw pin vs. bolt type

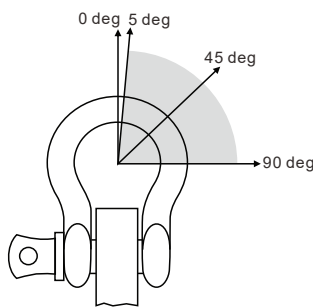


Screw pin for quick (dis)assembly  
Mainly used in non - permanent applications



Double safety (cotter pin & safety bolt)  
Mainly used in long-term applications

- Side loading: the following rated load reductions will occur when side loading angle deviates from in-line (0°)



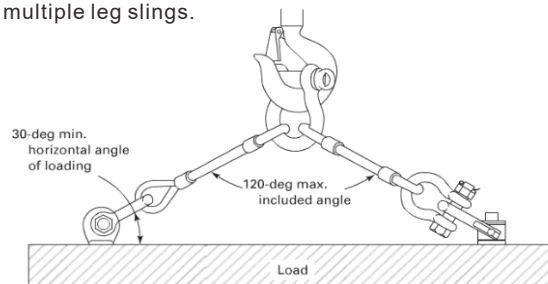
Side Loading Angle (°)	% of Rated Load Reduction
In-line (0° to 5°)	None
6°-45°	30%
46°-90°	50%
Over 90°	Not recommended

### - Inspecting the shackles

- Inspect shackles regularly.
- Inspect the shackle eye and pin holes for stretching (elongation) and wear. Elongation means the metal is being overloaded.
- Inspect the shackle body for bending. A bent shackle indicates excessive side-loading.
- Inspect all shackle pins for distortion, surface blemishes, wear and fractures.
- All pins must be straight and all screw pins must be completely seated.

### - Using shackles safely

- Do not force, hammer or wedge shackles into position.
- Do not exceed 120 degrees for the angle when using multiple leg slings.



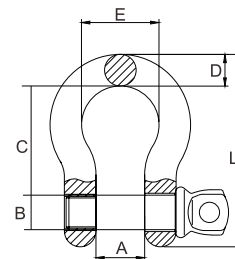
# SHACKLE

Bow shackle can take loads from different directions and are perfectly suited for rigging due to their geometric shape.

- Forged, quenched and tempered.
- Material: body-carbon steel, pin-alloy steel
- Surface finish: electro galvanized body and painted pin as standard. Hot dip galvanized finish is optional.
- Safety factor: 6:1 as standard. 4:1 is optional.
- Marking: size, WLL, "•CE" mark, batch number

## SCREW PIN ANCHOR SHACKLE

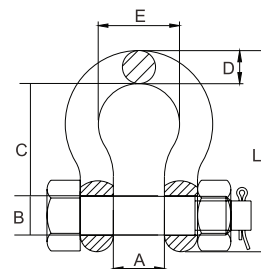
Item No.	Size	W.L.L.	Dimensions(mm)						Weight kg	Product Code
			A	B	C	D	E	L		
SH01005	3/16"	1/3T	9.65	6.35	22.4	4.85	15.2	37.3	0.022	701001005
SH01006	1/4"	1/2T	11.9	7.85	28.7	6.35	19.8	46.7	0.05	701001006
SH01008	5/16"	3/4T	13.5	9.65	31	7.85	21.3	53	0.08	701001008
SH01010	3/8"	1T	16.8	11.2	36.6	9.65	26.2	63	0.135	701001010
SH01011	7/16"	1-1/2T	19.1	12.7	42.9	11.2	29.5	74	0.195	701001011
SH01013	1/2"	2T	20.6	16	47.8	12.7	33.3	83.5	0.3	701001013
SH01016	5/8"	3-1/4T	26.9	19.1	60.5	16	42.9	106	0.61	701001016
SH01019	3/4"	4-3/4T	31.8	22.4	71.5	19.1	51	126	1.03	701001019
SH01022	7/8"	6-1/2T	36.6	25.4	84	22.4	58	148	1.6	701001022
SH01025	1"	8-1/2T	42.9	28.7	95.5	25.4	68.5	167	2.3	701001025
SH01029	1-1/8"	9-1/2T	46	31.8	108	29.5	74	190	3.2	701001029
SH01032	1-1/4"	12T	51.5	35.1	119	32.8	82.5	210	4.4	701001032
SH01035	1-3/8"	13-1/2T	57	38.1	133	36.1	92	233	6.2	701001035
SH01038	1-1/2"	17T	60.5	41.4	146	39.1	98.5	254	7.8	701001038
SH01044	1-3/4"	25T	73	51	178	46.7	127	313	13.8	701001044
SH01050	2"	35T	82.5	57	197	53	146	348	20.5	701001050
SH01063	2-1/2"	55T	105	70	267	69	184	453	39	701001063



Spec.To RR-C-271,  
Type 4A,  
Grade A, Class 2  
MIN.B.L.=6×WLL

## BOLT TYPE ANCHOR SHACKLE

Item No.	Size	W.L.L.	Dimensions(mm)						Weight kg	Product Code
			A	B	C	D	E	L		
SH03005	3/16"	1/3T	9.65	6.35	22.4	4.85	15.2	37.3	0.03	701003005
SH03006	1/4"	1/2T	11.9	7.85	28.7	6.35	19.8	46.7	0.075	701003006
SH03008	5/16"	3/4T	13.5	9.65	31	7.85	21.3	53	0.1	701003008
SH03010	3/8"	1T	16.8	11.2	36.6	9.65	26.2	63	0.16	701003010
SH03011	7/16"	1-1/2T	19.1	12.7	42.9	11.2	29.5	74	0.215	701003011
SH03013	1/2"	2T	20.6	16	47.8	12.7	33.3	83.5	0.36	701003013
SH03016	5/8"	3-1/4T	26.9	19.1	60.5	17.5	42.9	106	0.7	701003016
SH03019	3/4"	4-3/4T	31.8	22.4	71.5	20.6	51	126	1.23	701003019
SH03022	7/8"	6-1/2T	36.6	25.4	84	24.6	58	148	1.8	701003022
SH03025	1"	8-1/2T	42.9	28.7	95.5	26.9	68.5	167	2.78	701003025
SH03029	1-1/8"	9-1/2T	46	31.8	108	31.8	74	190	3.75	701003029
SH03032	1-1/4"	12T	51.5	35.1	119	35.1	82.5	210	5.31	701003032
SH03035	1-3/8"	13-1/2T	57	38.1	133	38.1	92	233	6.98	701003035
SH03038	1-1/2"	17T	60.5	44.5	146	41.1	98.5	254	9.4	701003038
SH03044	1-3/4"	25T	73	51	178	57	127	313	15.4	701003044
SH03050	2"	35T	82.5	57	197	61	146	348	23.7	701003050
SH03063	2-1/2"	55T	105	70	267	79.5	184	453	44.57	701003063
SH03075	3"	85T	127	82.5	330	92	200	546	70	701003075
SH03088	3-1/2"	120T	133	95.5	372	105	229	626	120	701003088
SH03100	4"	150T	140	108	368	116	254	653	158	701003100



Spec.To RR-C-271,  
Type 4A,  
Grade A, Class 3  
MIN.B.L.=6×WLL

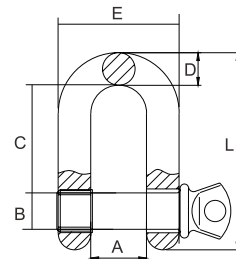
# SHACKLE

Chain shackle have a straight-legged shape that is optimized for two directions of pull. Most commonly used on single-leg slings.

- Forged, quenched and tempered.
- Material: body-carbon steel, pin-alloy steel
- Surface finish: electro galvanized body and painted pin as standard. Hot dip galvanized finish is optional.
- Safety factor: 6:1 as standard. 4:1 is optional.
- Marking: size, WLL , "CE" mark, batch number

## SCREW PIN CHAIN SHACKLE

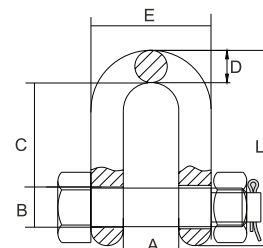
Item No.	Size	W.L.L.	Dimensions(mm)						Weight kg	Product Code
			A	B	C	D	E	L		
SH02005	3/16"	1/3T	9.65	6.35	19	4.85	19.35	33.9	0.022	701002005
SH02006	1/4"	1/2T	11.9	7.85	22.4	6.35	24.6	40.4	0.05	701002006
SH02008	5/16"	3/4T	13.5	9.65	26.2	7.85	29.5	48.5	0.08	701002008
SH02010	3/8"	1T	16.8	11.2	31.8	9.65	35.8	58.5	0.13	701002010
SH02011	7/16"	1-1/2T	19.1	12.7	36.6	11.2	41.4	67.8	0.19	701002011
SH02013	1/2"	2T	20.6	16	41.4	12.7	46	77	0.27	701002013
SH02016	5/8"	3-1/4T	26.9	19.1	51	16	58.5	95.5	0.57	701002016
SH02019	3/4"	4-3/4T	31.8	22.4	60.5	19.1	70	115	1.02	701002019
SH02022	7/8"	6-1/2T	36.6	25.4	71.5	22.4	81	135	1.43	701002022
SH02025	1"	8-1/2T	42.9	28.7	81	25.4	93.5	151	2.15	701002025
SH02029	1-1/8"	9-1/2T	46	31.8	91	28.7	103	172	3.06	701002029
SH02032	1-1/4"	12T	51.5	35.1	100	31.8	115	191	4.11	701002032
SH02035	1-3/8"	13-1/2T	57	38.1	111	35.1	127	210	5.28	701002035
SH02038	1-1/2"	17T	60.5	41.4	122	38.1	137	230	7.23	701002038
SH02044	1-3/4"	25T	73	51	146	44.5	162	279	12.13	701002044
SH02050	2"	35T	82.5	57	172	51	184	312	19.2	701002050
SH02063	2-1/2"	55T	105	70	203	66.5	238	377	32.5	701002063



Spec. To RR-C-271,  
Type 4B,  
Grade A, Class 2  
MIN. B.L. = 6xWLL

## BOLT TYPE CHAIN SHACKLE

Item No.	Size	W.L.L.	Dimensions(mm)						Weight kg	Product Code
			A	B	D	C	L	E		
SH04006	1/4"	1/2T	11.9	7.85	6.35	19.1	40.4	24.6	0.065	701004006
SH04008	5/16"	3/4T	13.5	9.65	7.85	25.4	48.5	29.5	0.10	701004008
SH04010	3/8"	1T	16.8	11.2	9.65	31	58.5	35.8	0.15	701004010
SH04011	7/16"	1-1/2T	19.1	12.7	11.2	36.1	67.5	41.1	0.22	701004011
SH04013	1/2"	2T	20.6	16	12.7	41.4	77	46	0.34	701004013
SH04016	5/8"	3-1/4T	26.9	19.1	16	51	95.5	58.5	0.67	701004016
SH04019	3/4"	4-3/4T	31.8	22.4	19.1	60.5	115	70	1.14	701004019
SH04022	7/8"	6-1/2T	36.6	25.4	22.4	71.5	135	81	1.74	701004022
SH04025	1"	8-1/2T	42.9	28.7	25.4	81	151	93.5	2.52	701004025
SH04029	1-1/8"	9-1/2T	46	31.8	28.7	91	172	103	3.45	701004029
SH04032	1-1/4"	12T	51.5	35.1	31.8	100	191	115	4.9	701004032
SH04035	1-3/8"	13-1/2T	57	38.1	35.1	111	210	127	6.24	701004035
SH04038	1-1/2"	17T	60.5	41.4	38.1	122	230	137	8.39	701004038
SH04044	1-3/4"	25T	73	51	44.5	146	279	162	14.24	701004044
SH04050	2"	35T	82.5	57	51	172	312	184	21.2	701004050
SH04063	2-1/2"	55T	105	70	66.5	203	377	238	38.55	701004063
SH04075	3"	85T	127	82.5	76	216	429	279	56.5	701004075



Spec. To RR-C-271,  
Type 4B,  
Grade A, Class 3  
MIN. B.L. = 6xWLL

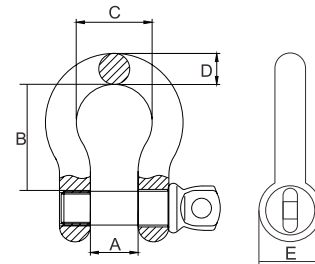
# SHACKLE

Large bow shackle is suitable for many tasks with a great size range.  
Large dee shackle is suitable for most straight, in-line lifting applications

Material: carbon steel  
Safety factor: 4:1  
Surface finish: electro galvanized  
Marking: size

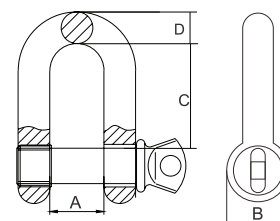
## EUROPEAN TYPE LARGE BOW SHACKLE

Item No.	Size	W.L.L.	Dimensions(mm)					Weight kg	Product Code
			A	B	C	D	E		
SH05005	5MM	0.08T	10	19	16	5	11	0.017	701005005
SH05006	6MM	0.1T	13	25	20	6	14	0.025	701005006
SH05008	8MM	0.2T	16	32	24	8	18	0.05	701005008
SH05010	10MM	0.32T	19	38	32	10	20	0.09	701005010
SH05012	12MM	0.52T	25	51	38	12	26	0.18	701005012
SH05014	14MM	0.7T	28	56	45	14	28	0.28	701005014
SH05016	16MM	0.8T	32	64	56	16	33	0.41	701005016
SH05018	18MM	1T	36	72	60	18	36	0.62	701005018
SH05020	20MM	1.1T	38	76	66	20	40	0.8	701005020
SH05022	22MM	1.5T	44	89	74	22	50	1.1	701005022
SH05025	25MM	2.1T	51	100	80	25	57	1.65	701005025
SH05028	28MM	3T	57	115	94	28	68	2.4	701005028
SH05032	32MM	3.5T	64	127	104	32	73	3.5	701005032
SH05036	36MM	4T	72	144	112	36	75	5.1	701005036
SH05038	38MM	5T	76	152	126	38	85	6.35	701005038
SH05042	42MM	6T	84	168	138	42	90	8.4	701005042
SH05045	45MM	7T	90	180	150	45	96	11.5	701005045
SH05050	50MM	8T	102	200	156	50	108	14	701005050



## EUROPEAN TYPE LARGE DEE SHACKLE

Item No.	Size	W.L.L.	Dimensions(mm)				Weight kg	Product Code
			A	B	C	D		
SH06005	5MM	0.08T	10	11	19	5	0.015	701006005
SH06006	6MM	0.1T	13	14	25	6	0.024	701006006
SH06008	8MM	0.2T	16	18	32	8	0.05	701006008
SH06010	10MM	0.32T	19	20	38	10	0.085	701006010
SH06012	12MM	0.52T	25	26	51	12	0.17	701006012
SH06014	14MM	0.7T	28	28	56	14	0.25	701006014
SH06016	16MM	0.8T	32	33	64	16	0.38	701006016
SH06018	18MM	1T	36	35	72	18	0.59	701006018
SH06020	20MM	1.1T	38	40	76	20	0.76	701006020
SH06022	22MM	1.5T	44	50	89	22	1.05	701006022
SH06025	25MM	2.1T	51	57	100	25	1.55	701006025
SH06028	28MM	3T	57	68	115	28	2.25	701006028
SH06032	32MM	3.5T	64	73	127	32	3.35	701006032
SH06036	36MM	4T	72	75	144	36	4.6	701006036
SH06038	38MM	5T	76	85	152	38	5.86	701006038
SH06042	42MM	6T	84	90	168	42	7.9	701006042
SH06045	45MM	7T	90	96	180	45	10	701006045
SH06050	50MM	8T	102	108	200	50	12.5	701006050





# TURNBUCKLE

## TURNBUCKLE OVERVIEW

### GENERAL

A turnbuckle is a common rigging device for adjusting tension and reduce slack in ropes, cables and other tensioning systems. It normally consists of two threaded end fittings, one screwed into each end of a small metal frame, one with a left-hand thread and the other with a right-hand thread. The tension can be adjusted by rotating the frame, which causes both eye bolts to be screwed in or out simultaneously, without twisting the eye bolts or attached cables.



### INSPECTION

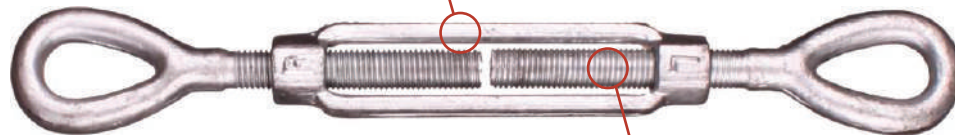
With jaw end fittings ensure that the nut, bolt and split pin are in sound condition and free from any defects.

Ensure that all relevant markings are correctly stamped and legible to read.

Ensure that end fittings are free from distortion, nicks, gouges, cracks and corrosion.

Ensure that the body is free from distortion, nicks, cracks and corrosion

Ensure that the threads are free from damage such as nicks, gouges, cracks and corrosion or too tight to turn.



Ensure the threads are lubricated regularly with appropriate lubricant.

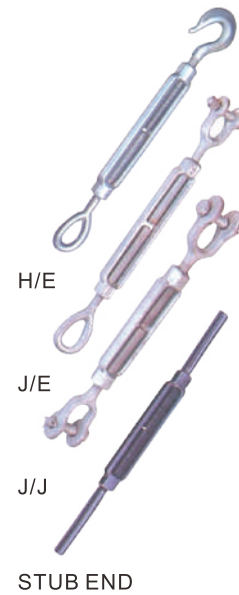
### Care & Use

1. Make sure that the correct turnbuckle or rigging screw is selected for intended use and application.
2. Where components are connected to turnbuckle or rigging screw ensure they do not bind and freely articulate so that the system can sit in a straight line when tension is applied .
3. When tensioning the body of a turnbuckle or rigging screw ensure that both end terminals and fittings do not rotate.
4. Do not tension turnbuckles or rigging screws beyond the specified rating, especially for smaller sizes.
5. Turnbuckles and rigging screws are not designed for continuous adjustment under rated load conditions therefore wear on the threads should be checked if used in this way.
6. Locking nuts, fitted to the ends of the body, are a method of locking, but may not provide positive or reliable locking under all circumstances therefore should be inspected regularly.
7. Turnbuckles and rigging screws should be inspected periodically by a competent person.

# TURNBUCKLE

## TURNBUCKLE U.S. TYPE, DROP FORGED

1. Drop forged, quenched and tempered
2. Safety factor: 5:1
3. Proof load: 2.5 times the Working Load Limit
4. Finish: H.D.G., self colored or electro galvanized
5. End fitting: hook & hook, hook & eye, eye & eye, jaw & eye, jaw & jaw, stub end
6. Lock nuts available for all sizes.
7. Federal Specification FF-T-791b, Type 1, Form 1 and ASTM F1145-92
8. Note: turnbuckles are recommended for straight or in-line pull.



Item No.	Size/inch (Dia. & takeup)	W.L.L. (lbs)		Weight (lbs)				Product Code
		H&H H&E	E&E J&E J&J Stub End	E&E H&H E&H	JAW&EYE	Stub End	JAW&JAW	
TB106100	1/4 X 4	400	500	0.30	0.30	0.29	0.40	70200106100
TB108113	5/16 X 4-1/2	700	800	0.50	0.53	0.46	0.58	70200108113
TB110152	3/8 X 6	1000	1200	0.75	0.82	0.75	0.93	70200110152
TB113152	1/2 X 6	1500	2200	1.50	1.62	1.36	1.68	70200113152
TB113228	1/2 X 9	1500	2200	1.75	1.82	1.69	1.85	70200113228
TB113304	1/2 X 12	1500	2200	2.18	2.19	2.00	2.20	70200113304
TB116152	5/8 X 6	2250	3500	2.63	2.59	2.15	2.82	70200116152
TB116228	5/8 X 9	2250	3500	3.00	3.01	2.70	3.25	70200116228
TB116304	5/8 X 12	2250	3500	3.25	3.50	3.22	3.75	70200116304
TB119152	3/4 X 6	3000	5200	3.75	4.25	3.25	4.68	70200119152
TB119228	3/4 X 9	3000	5200	4.50	5.00	4.00	5.38	70200119228
TB119304	3/4 X 12	3000	5200	5.75	5.75	4.65	6.12	70200119304
TB119457	3/4 X 18	3000	5200	7.00	7.25	6.12	7.25	70200119457
TB122152	7/8 X 6	4000	7200	5.85	6.29	4.75	6.84	70200122152
TB122304	7/8 X 12	4000	7200	8.38	8.88	6.67	9.36	70200122304
TB122457	7/8 X 18	4000	7200	10.25	10.60	8.75	11.44	70200122457
TB125152	1 X 6	5000	10000	8.76	9.16	6.41	9.51	70200125152
TB125304	1 X 12	5000	10000	11.25	12.00	8.90	12.88	70200125304
TB125457	1 X 18	5000	10000	14.00	14.75	11.70	16.10	70200125457
TB125609	1 X 24	5000	10000	17.00	17.75	14.30	18.60	70200125609
TB132152	1-1/4 X 6	6500	15200	15.45	16.03	10.40	16.69	70200132152
TB132304	1-1/4 X 12	6500	15200	19.00	21.20	14.20	23.60	70200132304
TB132457	1-1/4 X 18	6500	15200	24.10	26.00	18.00	26.60	70200132457
TB132609	1-1/4 X 24	6500	15200	25.00	28.70	21.80	31.20	70200132609
TB138304	1-1/2 X 12	7500	21400	27.00	31.10	20.50	35.50	70200138304
TB138457	1-1/2 X 18	7500	21400	31.20	36.40	26.20	40.70	70200138457
TB138609	1-1/2 X 24	7500	21400	38.20	44.20	31.40	47.60	70200138609
TB144457	1-3/4 X 18	-	28000	45.20	48.80	/	52.40	70200144457
TB144609	1-3/4 X 24	-	28000	58.00	60.00	43.90	64.00	70200144609
TB150609	2 X 24	-	37000	90.00	102.00	60.30	115.00	70200150609
TB164609	2-1/2 X 24	-	60000	180.00	183.00	110.00	200.00	70200164609
TB170609	2-3/4 X 24	-	75000	210.00	214.00	/	248.00	70200170609

# TURNBUCKLE

1. DIN 1480 turnbuckle: open body; DIN 1478 turnbuckle: closed body
2. Finish: electro galvanized, H.D.G. or self colored
3. End fitting: hook & hook, hook & eye, eye & eye, jaw & eye, jaw & jaw
4. Note: turnbuckles are not rated for lifting.

## DIN 1480 TURNBUCKLE

Item No.	Size	Body Length	Weight	Product Code
		mm	kg	
TB148005	M5	70	0.052	702002005
TB148006	M6	110	0.09	702002006
TB148008	M8	110	0.15	702002008
TB148010	M10	125	0.26	702002010
TB148012	M12	125	0.4	702002012
TB148014	M14	140	0.6	702002014
TB148016	M16	170	0.9	702002016
TB148018	M18	180	1.25	702002018
TB148020	M20	200	1.65	702002020
TB148022	M22	220	2.22	702002022
TB148024	M24	255	2.68	702002024
TB148027	M27	255	3.82	702002027
TB148030	M30	255	4.5	702002030
TB148032	M32	295	4.92	702002032
TB148036	M36	295	8.3	702002036
TB148039	M39	330	10.41	702002039
TB148042	M42	330	12.9	702002042
TB148045	M45	355	16	702002045
TB148048	M48	355	21	702002048
TB148052	M52	355	23	702002052



## DIN 1478 TURNBUCKLE

Item No.	Size	W.L.L.	Body Length	Weight	Product Code
			mm	kg	
TB147806	M6	0.2T	110	0.2	702003006
TB147808	M8	0.3T	110	0.4	702003008
TB147810	M10	0.5T	125	0.6	702003010
TB147812	M12	0.7T	125	0.9	702003012
TB147816	M16	1.2T	170	1.3	702003016
TB147820	M20	1.5T	200	1.7	702003020
TB147822	M22	2.2T	220	3.2	702003022
TB147824	M24	5T	255	3.9	702003024
TB147833	M33	7T	295	7.3	702003033
TB147836	M36	8T	295	8.5	702003036
TB147839	M39	10T	330	10	702003039
TB147850	M50	17T	356	21.5	702003050



# TURNBUCKLE

## TURNBUCKLE COMMERCIAL TYPE

1. Finish: electro galvanized.
2. End fitting: hook & hook, hook & eye, eye & eye
3. Note: not for lifting purposes.

Item No.	Size	W.L.L.	Total Length	Body Length	Product Code
	mm	kg	mm	mm	
TBM06215	6	100	215	100	702004006
TBM08280	8	200	280	125	702004008
TBM10325	10	300	325	150	702004010
TBM12430	12	500	430	200	702004012
TBM16540	16	1000	540	250	702004016
TBM20670	20	1500	670	300	702004020
TBM22740	22	2200	740	330	702004022
TBM24830	24	3000	830	350	702004024



## RIGGING SCREW

Rigging screw is durable, easy to adjust and can be used in a variety of applications where the length of the load bearing part needs to be adjusted. It is designed to provide quick rigging using standard tools and the same time closed body design effectively protects the thread.

- Compact, lightweight and durable construction.
- Easy to adjust the length using standard tools.
- The adjusted length is securely locked by closing the locking nuts.
- All parts are hot dip galvanized for long service life.
- The closed body design protects the threads from damage and at the same time prevent dirt from entering into the center body.
- End fitting: hook & hook, hook & eye, eye & eye, jaw & jaw, jaw & eye

Item No.	Size	Body Length	Weight	Product Code
		mm	kg	
TBRS06	M6	102	0.12	702005006
TBRS08	M8	127	0.21	702005008
TBRS10	M10	152	0.46	702005010
TBRS12	M12	229	0.9	702005012
TBRS16	M16	229	1.5	702005016
TBRS20	M20	229	2	702005020
TBRS22	M22	305	2.5	702005022
TBRS24	M24	356	4.3	702005024
TBRS28	M28	356	5.15	702005028
TBRS32	M32	381	8	702005032
TBRS36	M36	381	11.2	702005036
TBRS39	M39	406	14.1	702005039
TBRS45	M45	407	22.2	702005045
TBRS50	M50	407	30	702005050



## HAMBURG TURNBUCKLE

Hamburg turnbuckles are made for roro lashing and general cargo lashing. Every hamburg turnbuckle is made of mild steel. The finish normally is natural black.

Item No.	Size	Body Length	Weight	Product Code
		mm	kg	
TBH20500	M20×500MM	500	2.7	702006020
TBH24400	M24×400MM	400	2.8	702006024
TBH27400	M27×400MM	400	4	702006027
TBH30400	M30×400MM	400	4.5	702006030
TBH32400	M32×400MM	400	5	702006032
TBH36400	M36×400MM	400	7	702006036



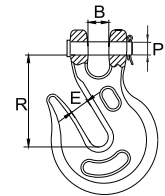
# HOOK

- "C" stands for carbon steel, "A" stands for alloy steel
- "C" is designed for Grade 43 chain, "A" is designed for Grade 70 chain
- Not suitable for use with Grade 80 chain and chain sling used in overhead lifting
- Drop forged, quenched & tempered
- Electro galvanized

## CLEVIS GRAB HOOK



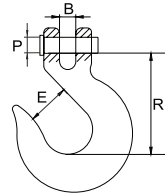
Item No.	Chain Size	W.L.L.(lbs)		Dimensions(inch)				Weight	Product Code	
		inch	Carbon	Alloy	B	E	P			R
HK0106C	HK0106A	1/4	2,600	3,600	0.36	0.40	0.38	1.97	0.40	703001006
HK0108C	HK0108A	5/16	3,900	5,400	0.40	0.44	0.44	2.26	0.79	703001008
HK0110C	HK0110A	3/8	5,400	7,500	0.48	0.50	0.47	2.63	1.00	703001010
HK0111C	HK0111A	7/16	7,200	10,000	0.66	0.56	0.56	2.75	1.50	703001011
HK0113C	HK0113A	1/2	9,200	12,750	0.75	0.66	0.63	3.19	2.10	703001013
HK0116C	HK0116A	5/8	12,750	19,000	0.91	0.78	0.75	4.09	4.20	703001016
HK0119C	HK0119A	3/4	18,500	27,000	0.94	0.94	0.88	4.63	6.50	703001019



## CLEVIS SLIP HOOK



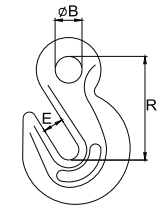
Item No.	Chain Size	W.L.L.(lbs)		Dimensions(inch)				Weight	Product Code	
		inch	Carbon	Alloy	B	E	P			R
HK0206C	HK0206C	1/4	1,950	2,750	0.44	0.94	0.38	2.56	0.50	703002006
HK0208C	HK0208A	5/16	2,875	4,300	0.50	1.06	0.44	2.87	0.75	703002008
HK0210C	HK0210A	3/8	4,000	5,250	0.59	1.31	0.47	3.25	1.20	703002010
HK0211C	HK0211A	7/16	5,000	7,000	0.66	1.56	0.56	3.70	2.06	703002011
HK0213C	HK0213A	1/2	6,500	9,000	0.75	1.69	0.63	4.00	2.80	703002013
HK0216C	HK0216A	5/8	9,250	12,500	0.91	2.00	0.75	4.94	4.75	703002016
HK0219C	HK0219A	3/4	12,500	19,250	1.31	2.50	1.00	6.09	10.30	703002019



## EYE GRAB HOOK



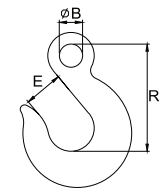
Item No.	Chain Size	W.L.L.(lbs)		Dimensions(inch)			Weight	Product Code	
		inch	Carbon	Alloy	B	E			R
HK0306C	HK0306A	1/4	2,600	3,600	0.50	0.34	1.97	0.28	703003006
HK0308C	HK0308A	5/16	3,900	5,400	0.56	0.44	2.25	0.45	703003008
HK0310C	HK0310A	3/8	5,400	7,500	0.66	0.50	2.56	0.79	703003010
HK0311C	HK0311A	7/16	7,200	10,000	0.75	0.56	2.94	1.19	703003011
HK0313C	HK0313A	1/2	9,200	12,750	0.88	0.66	3.38	1.80	703003013
HK0316C	HK0316A	5/8	12,750	19,000	1.06	0.78	4.11	3.30	703003016
HK0319C	HK0319A	3/4	18,500	27,000	1.38	0.94	5.16	6.00	703003019



## EYE SLIP HOOK



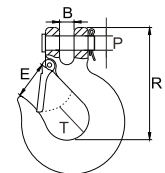
Item No.	Chain Size	W.L.L.(lbs)		Dimensions(inch)			Weight	Product Code	
		inch	Carbon	Alloy	B	E			R
HK0406C	HK0406A	1/4	1,950	2,750	0.50	0.94	2.56	0.40	703004006
HK0408C	HK0408A	5/16	2,875	4,300	0.63	1.06	2.95	0.70	703004008
HK0410C	HK0410A	3/8	4,000	5,250	0.72	1.31	3.36	1.00	703004010
HK0411C	HK0411A	7/16	5,000	7,000	0.81	1.56	3.88	1.60	703004011
HK0413C	HK0413A	1/2	6,500	9,000	0.94	1.69	4.28	2.40	703004013
HK0416C	HK0416A	5/8	9,250	13,500	1.13	2.00	5.22	4.00	703004016
HK0419C	HK0419A	3/4	12,500	19,250	1.38	2.13	5.80	6.50	703004019



## CLEVIS SLIP HOOK WITH LATCH



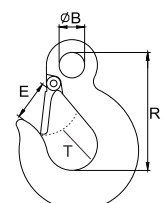
Item No.	Chain Size	W.L.L.(lbs)		Dimensions(inch)					Weight	Product Code	
		inch	Carbon	Alloy	B	E	P	R			T
HK0506C	HK0506A	1/4	1,950	2,750	0.44	0.79	0.38	2.56	0.79	0.52	703005006
HK0508C	HK0508A	5/16	2,875	4,300	0.50	0.93	0.44	2.87	0.79	0.77	703005008
HK0510C	HK0510A	3/8	4,000	5,250	0.59	1.14	0.47	3.25	1.02	1.23	703005010
HK0511C	HK0511A	7/16	5,000	7,000	0.66	1.18	0.56	3.70	1.06	2.10	703005011
HK0513C	HK0513A	1/2	6,500	9,000	0.75	1.42	0.63	4.00	1.38	2.85	703005013
HK0516C	HK0516A	5/8	9,250	12,500	0.91	1.65	0.75	4.94	1.69	5.18	703005016
HK0519C	HK0519A	3/4	12,500	19,250	1.31	1.81	1.00	6.09	1.81	10.45	703005019
HK0525C	HK0525A	1	17,600	26,500	1.38	1.98	1.14	7.40	2.50	13.65	703005025



## EYE SLIP HOOK WITH LATCH



Item No.	Chain Size	W.L.L.(lbs)		Dimensions(inch)				Weight	Product Code	
		inch	Carbon	Alloy	B	E	P			T
HK0606C	HK0606A	1/4	1,950	2,750	0.50	0.75	2.56	0.79	0.42	703006006
HK0608C	HK0608A	5/16	2,875	4,300	0.63	0.88	2.95	0.79	0.72	703006008
HK0610C	HK0610A	3/8	4,000	5,250	0.72	1.10	3.36	1.02	1.03	703006010
HK0611C	HK0611A	7/16	5,000	7,000	0.81	1.25	3.88	1.06	1.64	703006011
HK0613C	HK0613A	1/2	6,500	9,000	0.94	1.38	4.28	1.30	2.45	703006013
HK0616C	HK0616A	5/8	9,250	13,500	1.13	1.45	5.22	1.53	4.13	703006016
HK0619C	HK0619A	3/4	12,500	19,250	1.38	1.59	5.80	1.62	6.76	703006019





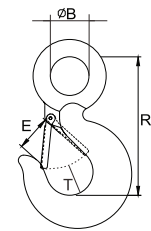
# HOOK

- "C" stands for carbon steel, "A" stands for alloy steel.
- Drop forged, quenched & tempered.
- Safety factor: 5:1
- Powder coated finish or painted

## EYE HOOK



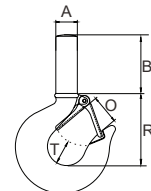
Item No.		W.L.L.(ton)		Dimensions(inch)					Weight lbs	Product Code
		Carbon	Alloy	B	E	R	T			
HK0700C	HK0700A	1/4	1/2	0.39	0.40	1.78	0.49	0.16	703007000	
HK0701C	HK0701A	1/2	3/4	0.63	0.81	2.80	0.65	0.37	703007001	
HK0702C	HK0702A	3/4	1	0.75	0.88	3.22	0.81	0.57	703007002	
HK0703C	HK0703A	1	1-1/2	0.91	0.97	3.66	0.84	0.77	703007003	
HK0704C	HK0704A	1-1/2	2	1.12	1.00	4.09	0.84	1.28	703007004	
HK0705C	HK0705A	2	3	1.25	1.12	4.69	1.19	1.76	703007005	
HK0706C	HK0706A	3	4-1/2	1.56	1.34	5.78	1.38	3.66	703007006	
HK0707C	HK0707A	5	7	2.00	1.69	7.38	1.78	7.19	703007007	
HK0708C	HK0708A	7-1/2	11	2.44	2.06	9.06	2.12	13.17	703007008	
HK0709C	HK0709A	10	15	2.83	2.22	10.09	2.72	22.15	703007009	
HK0710C	HK0710A	15	22	3.50	3.02	12.53	2.83	39.55	703007010	



## SHANK HOOK



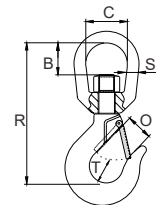
Item No.		W.L.L.(ton)		Dimensions(inch)					Weight lbs	Product Code
		Carbon	Alloy	A	B	O	R	T		
HK0801C	HK0801A	3/4	1	0.59	2.00	0.88	2.28	0.81	0.52	703008001
HK0802C	HK0802A	1	1-1/2	0.66	2.25	0.97	2.53	0.81	0.77	703008002
HK0803C	HK0803A	1-1/2	2	0.72	2.50	1.00	2.69	0.84	1.03	703008003
HK0804C	HK0804A	2	3	0.88	2.75	1.12	3.06	1.19	1.88	703008004
HK0805C	HK0805A	3	4-1/2	1.16	3.25	1.34	3.78	1.38	3.91	703008005
HK0806C	HK0806A	5	7	1.41	3.75	1.69	4.75	1.78	7.36	703008006
HK0807C	HK0807A	7-1/2	11	1.69	4.25	2.06	5.88	2.12	13.17	703008007
HK0808C	HK0808A	10	15	1.75	4.50	2.28	6.41	2.52	19.55	703008008



## SWIVEL HOOK



Item No.		W.L.L.(ton)		Dimensions(inch)						Weight lbs	Product Code
		Carbon	Alloy	B	C	O	R	S	T		
HK0901C	HK0901A	3/4	1	0.93	1.25	0.87	4.46	0.37	0.82	0.77	703009001
HK0902C	HK0902A	1	1-1/2	1.31	1.50	0.96	5.28	0.50	0.82	1.27	703009002
HK0903C	HK0903A	1-1/2	2	1.62	1.75	1.00	6.01	0.62	0.84	2.28	703009003
HK0904C	HK0904A	2	3	1.56	1.75	1.12	6.37	0.62	1.19	2.60	703009004
HK0905C	HK0905A	3	4-1/2	1.75	2.00	1.34	7.40	0.75	1.37	4.81	703009005
HK0906C	HK0906A	5	7	2.31	2.50	1.68	9.59	1.00	1.78	10.40	703009006
HK0907C	HK0907A	7-1/2	11	2.37	2.75	2.06	11.12	1.12	2.12	16.42	703009007
HK0908C	HK0908A	10	15	2.81	3.12	2.25	11.93	1.25	2.50	23.40	703009008
HK0909C	HK0909A	15	22	4.00	4.00	2.34	16.83	1.50	2.83	54.90	703009009



# SNAP HOOK AND QUICK LINK

## SNAP HOOK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
SHZ030	3 x 30	45	704001030
SHZ040	4 x 40	80	704001040
SHZ050	5 x 50	100	704001050
SHZ060	6 x 60	140	704001060
SHZ070	7 x 70	200	704001070
SHZ080	8 x 80	250	704001080
SHZ090	9 x 90	280	704001090
SHZ100	10 x 100	400	704001100
SHZ110	11 x 120	500	704001110
SHZ120	12 x 140	600	704001120
SHZ130	13 x 160	700	704001130
SHZ140	14 x 180	900	704001140

## SNAP HOOK WITH SCREW, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
SHS040	4 x 40	80	704006040
SHS050	5 x 50	100	704006050
SHS060	6 x 60	140	704006060
SHS070	7 x 70	200	704006070
SHS080	8 x 80	250	704006080
SHS090	9 x 90	280	704006090
SHS100	10 x 100	400	704006100
SHS110	11 x 120	500	704006110
SHS120	12 x 140	600	704006120
SHS130	13 x 160	700	704006130
SHS140	14 x 180	900	704006140

## SNAP HOOK WITH EYELET, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
SHE040	4 x 40	80	704002040
SHE050	5 x 50	100	704002050
SHE060	6 x 60	140	704002060
SHE070	7 x 70	200	704002070
SHE080	8 x 80	250	704002080
SHE090	9 x 90	280	704002090
SHE100	10 x 100	400	704002100
SHE110	11 x 120	500	704002110
SHE120	12 x 140	600	704002120
SHE130	13 x 160	700	704002130
SHE140	14 x 180	900	704002140

## SNAP HOOK WITH EYELET AND SCREW, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
SHES040	4 x 40	80	704007040
SHES050	5 x 50	100	704007050
SHES060	6 x 60	140	704007060
SHES070	7 x 70	200	704007070
SHES080	8 x 80	250	704007080
SHES090	9 x 90	280	704007090
SHES100	10 x 100	400	704007100
SHES110	11 x 120	500	704007110
SHES120	12 x 140	600	704007120
SHES130	13 x 160	700	704007130
SHES140	14 x 180	900	704007140

## EGG TYPE SNAP HOOK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
ESH050	5 x 50	100	704003050
ESH060	6 x 60	140	704003060
ESH070	7 x 70	200	704003070
ESH080	8 x 80	250	704003080
ESH090	9 x 90	280	704003090
ESH100	10 x 100	400	704003100
ESH110	11 x 120	500	704003110
ESH120	12 x 140	600	704003120

## STRAIGHT SNAP HOOK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
SSH050	5 x 50	100	704008050
SSH060	6 x 60	140	704008060
SSH080	8 x 80	250	704008080
SSH100	10 x 100	400	704008100
SSH110	11 x 120	500	704008110

## QUICK LINK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
QLZ035	3.5	175	704004035
QLZ040	4	500	704004040
QLZ050	5	650	704004050
QLZ060	6	875	704004060
QLZ070	7	1200	704004070
QLZ080	8	1525	704004080
QLZ090	9	1975	704004090
QLZ100	10	2300	704004100
QLZ110	11	2400	704004120
QLZ120	12	2500	704004140
QLZ140	14	2800	704004160

## WIDE JAW QUICK LINK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
WQL035	3.5	175	704009035
WQL050	5	650	704009050
WQL060	6	875	704009060
WQL080	8	1525	704009080
WQL100	10	2300	704009100
WQL120	12	2500	704009120

## DELTA SHAPED QUICK LINK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
DQL035	3.5	120	704010035
DQL050	5	450	704010050
DQL060	6	600	704010060
DQL080	8	1100	704010080
DQL100	10	1500	704010100
DQL120	12	1650	704010120
DQL140	14	1900	704010140

## WELDED ROUND RING, ZINC PLATED



Item No.	Dia. X I.L. (mm)	Product Code	Item No.	Dia. X I.L. (mm)	Product Code
WR03025	3 x 25	704005325	WR06050	6 x 50	704005650
WR04025	4 x 25	704005425	WR06060	6 x 60	704005660
WR04030	4 x 30	704005430	WR07035	7 x 35	704005735
WR04040	4 x 40	704005440	WR08040	8 x 40	704005840
WR05030	5 x 30	704005530	WR08050	8 x 50	704005850
WR05040	5 x 40	704005540	WR10050	10 x 50	704005105
WR05050	5 x 50	704005550	WR10070	10 x 70	704005107
WR06030	6 x 30	704005630	WR12060	12 x 60	704005126
WR06040	6 x 40	704005640	WR12100	12 x 100	704005121

## PEAR SHAPED QUICK LINK, ZINC PLATED



Item No.	Size / mm	W.L.L. / lbs	Product Code
PQLZ035	3.5	120	704011035
PQLZ040	4	350	704011040
PQLZ050	5	450	704011050
PQLZ060	6	600	704011060
PQLZ080	8	1100	704011080
PQLZ090	9	1300	704011090
PQLZ100	10	1500	704011100
PQLZ120	12	1650	704011120

# SNAP HOOK AND QUICK LINK

## HAIR PIN, ZINC PLATED



Item No.	Size/mm	Product Code
HPZP020	2	704012020
HPZP025	2.5	704012025
HPZP030	3	704012030
HPZP037	3.7	704012037
HPZP040	4	704012040
HPZP050	5	704012050
HPZP060	6	704012060
HPZP080	8	704012080

## HAIR PIN WITH EYELET, ZINC PLATED



Item No.	Size/mm	Product Code
HPE020	2	704019020
HPE025	2.5	704019025
HPE030	3	704019030
HPE037	3.7	704019037
HPE040	4	704019040
HPE050	5	704019050
HPE060	6	704019060
HPE080	8	704019080

## S HOOK, ZINC PLATED



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
SKZ030	3 x 25	3	25	704013030
SKZ040	4 x 35	4	35	704013040
SKZ050	5 x 45	5	45	704013050
SKZ060	6 x 55	6	55	704013060
SKZ070	7 x 65	7	65	704013070
SKZ080	8 x 75	8	75	704013080
SKZ100	10 x 105	10	105	704013100
SKZ120	12 x 120	12	120	704013120

## D RING, ZINC PLATED



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
DRZ030	3 x 25	3	25	704020030
DRZ040	4 x 30	4	30	704020040
DRZ050	5 x 40	5	40	704020050
DRZ060	6 x 50	6	50	704020060
DRZ080	8 x 50	8	50	704020080

## ROPE SHORTENING WITH TONGUE, ZINC PLATED



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
RST0560	5 x 60	5	60	704014560
RST0660	6 x 60	6	60	704014660
RST0670	6 x 70	6	70	704014670
RST0775	7 x 75	7	70	704014775
RST0870	8 x 70	8	75	704014870
RST0880	8 x 80	8	80	704014880
RST0990	9 x 90	9	90	704014990
RST1010	10 x 100	10	100	704014101

## ROPE SHORTENING WITHOUT TONGUE, ZINC PLATED



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
RSH0560	5 x 60	5	60	704021560
RSH0660	6 x 60	6	60	704021660
RSH0670	6 x 70	6	70	704021670
RSH0775	7 x 75	7	70	704021775
RSH0870	8 x 70	8	75	704021870
RSH0880	8 x 80	8	80	704021880
RSH0990	9 x 90	9	90	704021990
RSH1010	10 x 100	10	100	704021101

## ALUMINIUM SNAP HOOK CARBINE A TYPE



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASA0550	5 x 50	5	50	704015550
ASA0660	6 x 60	6	60	704015660
ASA0770	7 x 70	7	70	704015770
ASA0880	8 x 80	8	80	704015880
ASA1010	10 x 100	10	100	704015101

## ALUMINIUM SNAP HOOK CARBINE B TYPE



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASB0550	5 x 50	5	50	704022550
ASB0660	6 x 60	6	60	704022660
ASB0770	7 x 70	7	70	704022770
ASB0880	8 x 80	8	80	704022880

## ALUMINIUM SNAP HOOK D TYPE



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASD0550	5 x 50	5	50	704016550
ASD0660	6 x 60	6	60	704016660
ASD0770	7 x 70	7	70	704016770
ASD0880	8 x 80	8	80	704016880
ASD1010	10 x 100	10	100	704016101

## ALUMINIUM SNAP HOOK D1 TYPE



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASD10550	5 x 50	5	50	704023550
ASD10660	6 x 60	6	60	704023660
ASD10770	7 x 70	7	70	704023770
ASD10880	8 x 80	8	80	704023880

## ALUMINIUM SNAP HOOK D TYPE WITH PIN



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASP0550	5 x 50	5	50	704017550
ASP0660	6 x 60	6	60	704017660
ASP0770	7 x 70	7	70	704017770
ASP0880	8 x 80	8	80	704017880
ASP1010	10 x 100	10	100	704017101

## ALUMINIUM SNAP HOOK EGG TYPE



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASG0550	5 x 50	5	50	704024550
ASG0660	6 x 60	6	60	704024660
ASG0770	7 x 70	7	70	704024770
ASG0880	8 x 80	8	80	704024880
ASG1010	10 x 100	10	100	704024101

## ALUMINIUM SNAP HOOK WITH EYELET AND KEY RING



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASE0550	5 x 50	5	50	704018550
ASE0660	6 x 60	6	60	704018660
ASE0770	7 x 70	7	70	704018770
ASE0880	8 x 80	8	80	704018880
ASE1010	10 x 100	10	100	704018101

## ALUMINIUM SNAP HOOK WITH BRASS SCREW



Item No.	Size/mm	Dia./mm	Length/mm	Product Code
ASS0355	3MM	3	55	704025355

# STAINLESS STEEL HARDWARE

## S. S. SNAP HOOK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-SK04040	4 x 40	80	704101040
S-SK05050	5 x 50	100	704101050
S-SK06060	6 x 60	140	704101060
S-SK07070	7 x 70	200	704101070
S-SK08080	8 x 80	250	704101080
S-SK09090	9 x 90	280	704101090
S-SK10100	10 x 100	400	704101100
S-SK11120	11 x 120	500	704101120
S-SK12140	12 x 140	600	704101140
S-SK13160	13 x 160	700	704101160
S-SK14180	14 x 180	900	704101180

## S. S. SNAP HOOK WITH EYELET



Item No.	Size/mm	W.L.L./lbs	Product Code
S-SKE04040	4 x 40	80	704107040
S-SKE05050	5 x 50	100	704107050
S-SKE06060	6 x 60	140	704107060
S-SKE07070	7 x 70	200	704107070
S-SKE08080	8 x 80	250	704107080
S-SKE09090	9 x 90	280	704107090
S-SKE10100	10 x 100	400	704107100
S-SKE11120	11 x 120	500	704107120
S-SKE12140	12 x 140	600	704107140
S-SKE13160	13 x 160	700	704107160
S-SKE14180	14 x 180	900	704107180

## S. S. SNAP HOOK WITH SCREW



Item No.	Size/mm	W.L.L./lbs	Product Code
S-SKS04040	4 x 40	80	704102040
S-SKS05050	5 x 50	100	704102050
S-SKS06060	6 x 60	140	704102060
S-SKS07070	7 x 70	200	704102070
S-SKS08080	8 x 80	250	704102080
S-SKS09090	9 x 90	280	704102090
S-SKS10100	10 x 100	400	704102100
S-SKS11120	11 x 120	500	704102120
S-SKS12140	12 x 140	600	704102140
S-SKS13160	13 x 160	700	704102160
S-SKS14180	14 x 180	900	704102180

## S. S. SNAP HOOK WITH EYELET AND SCREW



Item No.	Size/mm	W.L.L./lbs	Product Code
S-SES05050	5 x 50	100	704108050
S-SES06060	6 x 60	140	704108060
S-SES07070	7 x 70	200	704108070
S-SES08080	8 x 80	250	704108080
S-SES09090	9 x 90	280	704108090
S-SES10100	10 x 100	400	704108100
S-SES11120	11 x 120	500	704108120
S-SES12140	12 x 140	600	704108140
S-SES13160	13 x 160	700	704108160
S-SES14180	14 x 180	900	704108180

## S. S. EGG TYPE SNAP HOOK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-ESH05050	5 x 50	100	704103050
S-ESH06060	6 x 60	140	704103060
S-ESH07070	7 x 70	200	704103070
S-ESH08080	8 x 80	250	704103080
S-ESH09090	9 x 90	280	704103090
S-ESH10100	10 x 100	400	704103100
S-ESH11120	11 x 120	500	704103120
S-ESH12140	12 x 140	600	704103140

## S. S. STRAIGHT SNAP HOOK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-SSH05050	5 x 50	100	704109050
S-SSH06060	6 x 60	140	704109060
S-SSH08080	8 x 80	250	704109080
S-SSH10100	10 x 100	400	704109100
S-SSH11120	11 x 120	500	704109120

## S. S. OBLIQUE ANGLE SNAP HOOK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-OAS05050	5 x 50	100	704104050
S-OAS06060	6 x 60	140	704104060
S-OAS08080	8 x 80	250	704104080
S-OAS10100	10 x 100	400	704104100
S-OAS11120	11 x 120	500	704104120

## S. S. OBLIQUE ANGLE SNAP HOOK WITH EYELET



Item No.	Size/mm	W.L.L./lbs	Product Code
S-OAE05050	5 x 50	100	704110050
S-OAE06060	6 x 60	140	704110060
S-OAE08080	8 x 80	250	704110080
S-OAE10100	10 x 100	400	704110100
S-OAE11120	11 x 120	500	704110120

## S. S. QUICK LINK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-QL003	3.5	175	704111003
S-QL004	4	500	704111004
S-QL005	5	650	704111005
S-QL006	6	875	704111006
S-QL007	7	1200	704111007
S-QL008	8	1525	704111008
S-QL009	9	1975	704111009
S-QL010	10	2300	704111010
S-QL012	12	2500	704111012
S-QL014	14	2800	704111014

## S. S. OBLIQUE ANGLE SNAP HOOK WITH EYELET & PIN



Item No.	Size/mm	W.L.L./lbs	Product Code
S-OES05050	5 x 50	100	704105050
S-OES06060	6 x 60	140	704105060
S-OES08080	8 x 80	250	704105080
S-OES10100	10 x 100	400	704105100
S-OES11120	11 x 120	500	704105120

## S. S. PEAR SHAPED QUICK LINK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-PQL003	3.5	120	704112003
S-PQL004	4	350	704112004
S-PQL005	5	450	704112005
S-PQL006	6	600	704112006
S-PQL008	8	1100	704112008
S-PQL009	9	1300	704112009
S-PQL010	10	1500	704112010
S-PQL012	12	1650	704112012

## S. S. WIDE JAW QUICK LINK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-WQL003	3.5	175	704106003
S-WQL005	5	650	704106005
S-WQL006	6	875	704106006
S-WQL008	8	1525	704106008
S-WQL010	10	2300	704106010
S-WQL012	12	2500	704106012

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments



# STAINLESS STEEL HARDWARE

## S.S. DELTA SHAPED QUICK LINK



Item No.	Size/mm	W.L.L./lbs	Product Code
S-DQL003	3.5	120	704113003
S-DQL005	5	450	704113005
S-DQL006	6	600	704113006
S-DQL008	8	1100	704113008
S-DQL010	10	1500	704113010
S-DQL012	12	1650	704113012
S-DQL014	14	1900	704113014

## S. S. D RING



Item No.	Size/mm	I.W. of Eye/mm	Product Code
S-DR03025	3	25	704118325
S-DR04025	4	25	704118425
S-DR04030	4	30	704118430
S-DR05030	5	30	704118530
S-DR05040	5	40	704118540
S-DR05050	5	50	704118550
S-DR06050	6	50	704118650
S-DR08060	8	60	704118860

## S. S. S HOOK



Item No.	Size /mm	Product Code
S-SH003	3 x 25	704114003
S-SH004	4 x 35	704114004
S-SH005	5 x 45	704114005
S-SH006	6 x 55	704114006
S-SH007	7 x 65	704114007
S-SH008	8 x 75	704114008
S-SH010	10 x 105	704114010
S-SH012	12 x 120	704114012

## S. S. WELDED ROUND RING



Item No.	DIA. x I.L. mm	Product Code	Item No.	DIA. x I.L. mm	Product Code
S-WR03025	3 x 25	704119325	S-WR06040	6 x 40	704119640
S-WR04025	4 x 25	704119425	S-WR06050	6 x 50	704119650
S-WR04030	4 x 30	704119430	S-WR06060	6 x 60	704119660
S-WR04040	4 x 40	704119440	S-WR07035	7 x 35	704119735
S-WR05030	5 x 30	704119530	S-WR08040	8 x 40	704119840
S-WR05040	5 x 40	704119540	S-WR08050	8 x 50	704119850
S-WR05050	5 x 50	704119550	S-WR10050	10 x 50	704119105
S-WR06030	6 x 30	704119630	S-WR10070	10 x 70	704119107

## S. S. RIGGING SCREW JAW/JAW



Item No.	Size	Length (min.-max.)	Product Code
S-TBS005	M5	130-190mm	704115005
S-TBS006	M6	150-220mm	704115006
S-TBS008	M8	180-225mm	704115008
S-TBS010	M10	200-300mm	704115010
S-TBS012	M12	270-385mm	704115012
S-TBS014	M14	300-425mm	704115014
S-TBS016	M16	330-480mm	704115016
S-TBS020	M20	360-540mm	704115020

## S. S. RIGGING SCREW JAW/SWAGE STUD



Item No.	Size	Wire rope Dia. mm	Length (min.-max.)	Product Code
S-TBJ005	M5	2.5	130-190mm	704120005
S-TBJ006	M6	3	150-220mm	704120006
S-TBJ008	M8	4	180-225mm	704120008
S-TBJ010	M10	5	200-300mm	704120010
S-TBJ012	M12	6	270-385mm	704120012
S-TBJ014	M14	7	300-425mm	704120014
S-TBJ016	M16	8	350-475mm	704120016
S-TBJ020	M20	10	390-540mm	704120020

## S.S. U.S. TYPE SCREW PIN CHAIN SHACKLE



Item No.	Size inch	W.L.L. lbs	Pin Dia. inch	Weight kg	Product Code
S-CS005	3/16	300	1/4	0.017	704116005
S-CS006	1/4	450	5/16	0.030	704116006
S-CS008	5/16	650	3/8	0.065	704116008
S-CS010	3/8	1000	7/16	0.125	704116010
S-CS011	7/16	1450	1/2	0.184	704116011
S-CS013	1/2	1990	5/8	0.230	704116013
S-CS016	5/8	3050	3/4	0.510	704116016
S-CS019	3/4	4475	7/8	0.930	704116019
S-CS022	7/8	6000	1	1.270	704116022
S-CS025	1	7950	1-1/8	1.871	704116025
S-CS028	1-1/8	10500	1-1/4	2.950	704116028
S-CS032	1-1/4	13600	1-3/8	4.000	704116032

## S. S. U.S. TYPE SCREW PIN ANCHOR SHACKLE



Item No.	Size inch	W.L.L. lbs	Pin Dia. inch	Weight kg	Product Code
S-AS005	3/16	300	1/4	0.021	704121005
S-AS006	1/4	450	5/16	0.036	704121006
S-AS008	5/16	650	3/8	0.077	704121008
S-AS010	3/8	1000	7/16	0.138	704121010
S-AS011	7/16	1450	1/2	0.175	704121011
S-AS013	1/2	1990	5/8	0.261	704121013
S-AS016	5/8	3050	3/4	0.552	704121016
S-AS019	3/4	4475	7/8	1.020	704121019
S-AS022	7/8	6000	1	1.600	704121022
S-AS025	1	7950	1-1/8	2.400	704121025
S-AS028	1-1/8	10500	1-1/4	3.140	704121028
S-AS032	1-1/4	13600	1-3/8	4.380	704121032

## S. S. EUROPEAN TYPE LARGE DEE SHACKLE



Item No.	Size mm	W.L.L. kg	I.L. mm	Weight kg	Product Code
S-LDS004	4	55	16	0.008	704117004
S-LDS005	5	80	20	0.014	704117005
S-LDS006	6	100	24	0.027	704117006
S-LDS008	8	200	32	0.064	704117008
S-LDS010	10	320	40	0.120	704117010
S-LDS012	12	520	48	0.210	704117012
S-LDS016	16	800	64	0.500	704117016
S-LDS020	20	1100	76	0.880	704117020
S-LDS022	22	1500	88	1.400	704117022
S-LDS025	25	2100	100	2.080	704117025
S-LDS028	28	3000	112	2.500	704117028
S-LDS032	32	3500	128	3.260	704117032

## S. S. EUROPEAN TYPE LARGE BOW SHACKLE



Item No.	Size mm	W.L.L. kg	I.L. mm	Weight kg	Product Code
S-LBS004	4	55	16	0.009	704122004
S-LBS005	5	80	20	0.015	704122005
S-LBS006	6	100	24	0.030	704122006
S-LBS008	8	200	32	0.065	704122008
S-LBS010	10	320	40	0.120	704122010
S-LBS012	12	520	48	0.250	704122012
S-LBS016	16	800	64	0.520	704122016
S-LBS020	20	1100	76	0.930	704122020
S-LBS022	22	1500	88	1.620	704122022
S-LBS025	25	2100	100	2.250	704122025
S-LBS028	28	3000	112	2.850	704122028
S-LBS032	32	3500	128	3.720	704122032



# STAINLESS STEEL HARDWARE

## S.S. DIN580 EYE BOLT



Item No.	Size	Weight/kg	Product Code
S-EB006	M6	0.032	704123006
S-EB008	M8	0.055	704123008
S-EB010	M10	0.100	704123010
S-EB012	M12	0.150	704123012
S-EB014	M14	0.210	704123014
S-EB016	M16	0.278	704123016
S-EB018	M18	0.440	704123018
S-EB020	M20	0.405	704123020
S-EB024	M24	0.873	704123024
S-EB030	M30	1.740	704123030
S-EB036	M36	2.400	704123036

## S.S. DIN582 EYE NUT



Item No.	Size	Weight/kg	Product Code
S-EN006	M6	0.026	704129006
S-EN008	M8	0.046	704129008
S-EN010	M10	0.091	704129010
S-EN012	M12	0.150	704129012
S-EN014	M14	0.200	704129014
S-EN016	M16	0.235	704129016
S-EN018	M18	0.340	704129018
S-EN020	M20	0.363	704129020
S-EN024	M24	0.714	704129024
S-EN030	M30	1.800	704129030
S-EN036	M36	2.650	704129036

## S. S. EXTRA HEAVY DUTY WIRE ROPE THIMBLE U.S. TYPE



Item No.	Size/inch	Weight/kg	Product Code
S-T0104	1/4	0.028	704124104
S-T0516	5/16	0.054	704124516
S-T0308	3/8	0.107	704124308
S-T0716	7/16	0.147	704124716
S-T0102	1/2	0.240	704124102
S-T0916	9/16	0.240	704124916
S-T0508	5/8	0.330	704124508
S-T0304	3/4	0.690	704124304
S-T0708	7/8	0.830	704124708
S-T0101	1	1.200	704124101

## S. S. STANDARD WIRE ROPE THIMBLE U.S. TYPE



Item No.	Size/inch	Weight/kg	Product Code
S-T1108	1/8	0.015	704130108
S-T1316	3/16	0.015	704130316
S-T1104	1/4	0.015	704130104
S-T1516	5/16	0.019	704130516
S-T1308	3/8	0.031	704130308
S-T1102	1/2	0.060	704130102
S-T1508	5/8	0.167	704130508
S-T1304	3/4	0.262	704130304
S-T1708	7/8	0.403	704130708
S-T1101	1	0.476	704130101

## S.S. EUROPEAN COMMERCIAL THIMBLE



Item No.	Size/mm	Weight/kg	Product Code
S-T2003	3	0.004	704125003
S-T2004	4	0.005	704125004
S-T2005	5	0.007	704125005
S-T2006	6	0.010	704125006
S-T2008	8	0.021	704125008
S-T2010	10	0.033	704125010
S-T2012	12	0.055	704125012
S-T2014	14	0.103	704125014
S-T2016	16	0.124	704125016
S-T2020	20	0.266	704125020
S-T2022	22	0.326	704125022
S-T2024	24	0.451	704125024
S-T2028	28	0.739	704125028

## S. S. WIRE ROPE CLIP U.S. HEAVY DUTY TYPE



Item No.	Size/inch	Weight/kg	Product Code
S-C1108	1/8	0.023	704132108
S-C1316	3/16	0.041	704132316
S-C1104	1/4	0.083	704132104
S-C1516	5/16	0.142	704132516
S-C1308	3/8	0.193	704132308
S-C1716	7/16	0.325	704132716
S-C1102	1/2	0.345	704132102
S-C1916	9/16	0.450	704132916
S-C1508	5/8	0.460	704132508
S-C1304	3/4	0.690	704132304
S-C1708	7/8	1.110	704132708
S-C1101	1	1.150	704132101

## S. S. WIRE ROPE CLIP U.S. TYPE



Item No.	Size/inch	Weight/kg	Product Code
S-C0108	1/8	0.020	704126108
S-C0316	3/16	0.030	704126316
S-C0104	1/4	0.060	704126104
S-C0516	5/16	0.070	704126516
S-C0308	3/8	0.120	704126308
S-C0102	1/2	0.170	704126102
S-C0508	5/8	0.280	704126508
S-C0304	3/4	0.330	704126304
S-C0708	7/8	0.530	704126708
S-C0101	1	0.670	704126101

## S. S. WIRE ROPE CLIP JIS TYPE



Item No.	Size/mm	Weight/kg	Product Code
S-C3006	6	0.05	704133006
S-C3008	8	0.08	704133008
S-C3010	10	0.15	704133010
S-C3012	12	0.25	704133012
S-C3014	14	0.29	704133014
S-C3016	16	0.35	704133016
S-C3018	18	0.45	704133018
S-C3022	20-22	0.95	704133022
S-C3025	24-25	1.25	704133025

## S. S. DIN 741 WIRE ROPE CLIP



Item No.	Size/mm	Weight/kg	Product Code
S-C2030	3	0.014	704127030
S-C2050	5	0.015	704127050
S-C2065	6.5	0.020	704127065
S-C2080	8	0.040	704127080
S-C2100	10	0.070	704127100
S-C2110	11	0.100	704127110
S-C2130	13	0.130	704127130
S-C2160	16	0.210	704127160
S-C2190	19	0.280	704127190
S-C2220	22	0.400	704127225
S-C2250	25	0.440	704127250
S-C2320	32	0.660	704127320
S-C2340	34	0.850	704127340
S-C2400	40	1.040	704127400

## S. S. HAIR PIN WITH EYELET



Item No.	Size/mm	Product Code
S-HPE002	2	704134002
S-HPE003	3	704134003
S-HPE004	4	704134004
S-HPE005	5	704134005
S-HPE006	6	704134006
S-HPE008	8	704134008

## S. S. HAIR PIN



Item No.	Size/mm	Product Code
S-HP002	2	704128002
S-HP003	3	704128003
S-HP004	4	704128004
S-HP005	5	704128005
S-HP006	6	704128006
S-HP008	8	704128008

Manual Hoisting  
Equipments

Textile Sling and  
Height Safety

Transport and  
Load Restraints

Lifting Chain/Chain  
Sling/Components

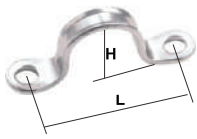
Wire Rope/Wire Rope  
Sling/Components

Rigging Hardware and  
Commercial Chain

Material Handling  
Equipments

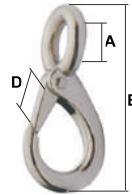
# STAINLESS STEEL HARDWARE

## S. S. WIRE EYE STRAP (PAD EYE)



Item No.	Size mm	L mm	H mm	Product Code
S-WES004	4	32	16	704135004
S-WES005	5	40	17.5	704135005
S-WES006	6	45	22.5	704135006
S-WES008	8	50	23	704135008

## S. S. FIXED SNAP HOOK



Item No.	A inch	B inch	D inch	Product Code
S-FSH011	7/16	2.1	0.22	704141001
S-FSH016	5/8	2.7	0.37	704141002
S-SFH020	3/4	3.1	0.5	704141003
S-SFH014	3/4	3.7	0.6	704141004

## S. S. DIAMOND EYE PLATE



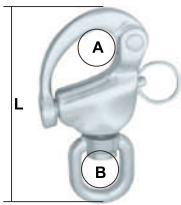
Item No.	D mm	A mm	H mm	Product Code
S-DEP005	5	30	19	704136005
S-DEP006	6	35	26	704136006
S-DEP008	8	40	33	704136008

## S. S. SQUARE EYE PLATE WITH RING



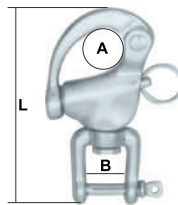
Item No.	D mm	A mm	H mm	Product Code
S-SEPR005	5	30	19	704142005
S-SEPR006	6	35	26	704142006
S-SEPR008	8	40	33	704142008

## S. S. SWIVEL SNAP SHACKLE ROUND HEAD



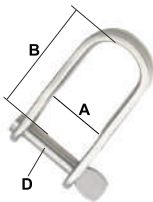
Item No.	A mm	L mm	B mm	Product Code
S-SSR012	12	70	12	704137012
S-SSR016	16	87	12	704137016
S-SSR022	22	120	16	704137022

## S. S. SWIVEL SNAP SHACKLE JAW HEAD



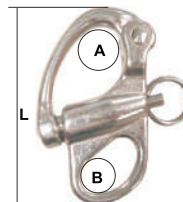
Item No.	A mm	L mm	B mm	Product Code
S-SSJ012	12	69	12	704143012
S-SSJ016	16	90	12	704143016
S-SSJ022	22	128	16	704143022

## S. S. LONG DEE SHACKLE WITH LOCKING PIN



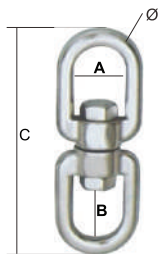
Item No.	D mm	A mm	B mm	Product Code
S-LDL005	5	12.5	38	704138005
S-LDL006	6	15.5	43	704138006
S-LDL008	8	20.5	60.5	704138008

## S. S. FIXED SNAP SHACKLE



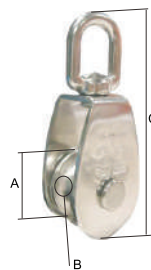
Item No.	A mm	L mm	B mm	Product Code
S-FSS012	12	52	9	704144012
S-FSS016	16	66	12	704144016
S-FSS022	22	96	16	704144022

## S.S. EUROPEAN SWIVEL EYE AND EYE



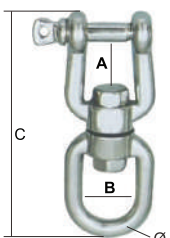
Item No.	Size	Ø mm	A mm	B mm	C mm	Product Code
S-SEE004	M4	4	11.5	13	50	704139004
S-SEE005	M5	5	13.0	14	60	704139005
S-SEE006	M6	6	14.5	15.5	66.5	704139006
S-SEE008	M8	8	19.5	21.5	90.0	704139008
S-SEE010	M10	10	23.5	26	112.0	704139010
S-SEE013	M13	13	33	33.5	148.5	704139013
S-SEE016	M16	16	38	42.5	186.0	704139016
S-SEE020	M20	20	40.5	51.0	223.0	704139020

## S.S. SWIVEL BLOCK



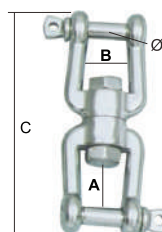
Item No.	A mm	B mm	C mm	Weight kg	Product Code
S-SB015	15	6	60	0.035	704145015
S-SB020	20	6	70	0.075	704145020
S-SB025	25	10	82	0.150	704145025
S-SB032	32	12	95	0.250	704145032
S-SB050	50	21	124	0.400	704145050

## S.S. EUROPEAN SWIVEL EYE AND JAW



Item No.	Size	Ø mm	A mm	B mm	C mm	Product Code
S-SEJ006	M6	6	11.0	12.0	60.0	704140006
S-SEJ008	M8	8	15.5	16.0	80.0	704140008
S-SEJ010	M10	10	20.5	20.0	103.0	704140010
S-SEJ013	M13	13	25.5	26.0	132.0	704140013
S-SEJ016	M16	16	36.0	32.0	167.0	704140016
S-SEJ020	M20	19	41.0	38.0	199.0	704140020

## S.S. EUROPEAN SWIVEL JAW AND JAW



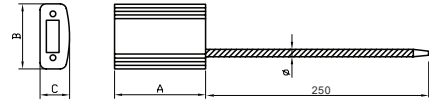
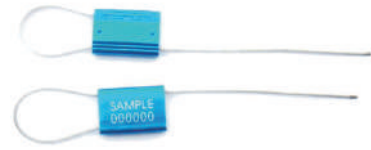
Item No.	Size	Ø mm	A mm	B mm	C mm	Product Code
S-SJJ006	M6	6	11.0	12.0	65.0	704146006
S-SJJ008	M8	8	15.5	16.0	86.5	704146008
S-SJJ010	M10	10	20.5	20.0	111.0	704146010
S-SJJ012	M12	12	25.5	26.0	144.5	704146012
S-SJJ016	M16	16	36.0	32.0	178.0	704146016
S-SJJ020	M20	19	41.0	38.0	213.0	704146020

# CABLE SEAL

## CABLE SEAL CS15/CS20 TYPE

Item No.	Diameter(mm)	Weight/kg	PCS/CTN	Dimensions (mm)			Product Code
				A	B	C	
CS15	1.5	0.014	1000	29	20	7.8	705010015
CS20	2	0.019	500	26	26.5	8.8	705010020

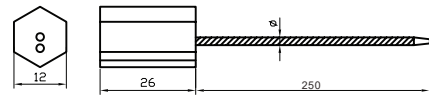
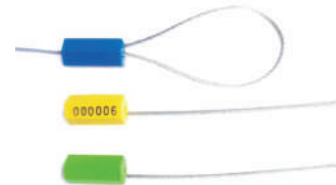
- \* All kinds of ISO containers, container trucks, doors, trucks, post packages, tanker trucks, rail cars, etc.
- \* Customization: laser printing serial numbers and logos on lock body
- \* Colors: red, yellow, green, blue or white



## CABLE SEAL CS210 TYPE

Item No.	Diameter(mm)	Weight/kg	PCS/CTN	Product Code
CS210	1.8	0.013	1000	705020018

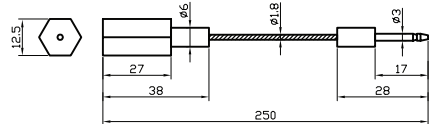
- \* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
- \* Low carbon steel, wrapped with ABS
- \* Printing: company logo or name, serial numbers
- \* Colors: yellow, white, green, blue, red or customized



## CABLE SEAL CS220 TYPE

Item No.	Diameter(mm)	Weight/kg	PCS/CTN	Product Code
CS220	1.8	0.017	1000	705030018

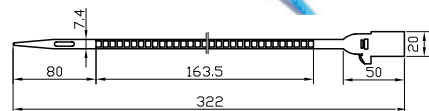
- \* All kinds of ISO containers, container trucks, doors, tanker trucks, rail cars, etc.
- \* Low carbon steel, wrapped with ABS
- \* Printing: company logo or name, serial numbers
- \* Colors: yellow, white, green, blue, red or customized



## PLASTIC SEAL PS33 TYPE

Item No.	Length(mm)	Weight/kg	PCS/CTN	Product Code
PS33	322	0.0050	1000	705043220

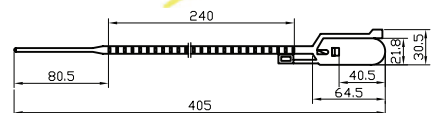
- \* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
- \* Material: PA plastic
- \* Colors: yellow, white, green, blue, red or customized



## PLASTIC SEAL PS40 TYPE

Item No.	Length(mm)	Weight/kg	PCS/CTN	Product Code
PS40	405	0.0054	1000	705054050

- \* All kinds of ISO containers, container trucks, doors, postal services, courier services, etc.
- \* Material: PP/PE
- \* Colors: yellow, white, green, blue, red or customized



# EYE BOLT AND EYE NUT

Eye bolt DIN580 and eye nut DIN582 are generally used as a removable lifting point where a rated female thread or nut can be utilized also can be used as a termination for chain, wire rope and other assemblies where required.

Material: C15 carbon steel as standard. C15E is optional.

Surface finish: electro galvanized

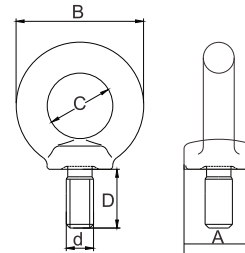
Safety factor: 6:1

With metric thread

Note: the eye bolt and nut must be of fully screwed in to achieve a perfect contact between the two mating faces.

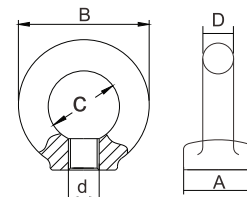
## DIN580 EYE BOLT

Item No.	Size	W.L.L.	Dimensions (mm)				Weight	Product Code
	d	ton	A	B	C	D	kg	
HK2306	M6	0.08	20	36	20	13	0.05	706001006
HK2308	M8	0.14	20	36	20	13	0.06	706001008
HK2310	M10	0.23	25	45	25	17	0.11	706001010
HK2312	M12	0.34	30	54	30	20.5	0.18	706001012
HK2314	M14	0.49	35	63	35	27	0.28	706001014
HK2316	M16	0.7	35	63	35	27	0.285	706001016
HK2318	M18	0.95	40	72	40	30	0.45	706001018
HK2320	M20	1.2	40	72	40	30	0.45	706001020
HK2322	M22	1.5	45	81	45	35	0.67	706001022
HK2324	M24	1.8	50	90	50	36	0.87	706001024
HK2327	M27	2.5	50	90	50	36	0.88	706001027
HK2330	M30	3.6	65	108	60	45	1.66	706001030
HK2333	M33	4.3	65	108	60	45	1.72	706001033
HK2336	M36	5.1	75	126	70	54	2.65	706001036
HK2339	M39	6.1	75	126	70	54	2.8	706001039
HK2342	M42	7	85	144	80	63	4.03	706001042
HK2345	M45	8	85	144	80	63	4.25	706001045
HK2348	M48	8.6	100	166	90	68	6.38	706001048
HK2352	M52	9.9	100	166	90	68	6.6	706001052
HK2356	M56	11.5	110	184	100	78	8.8	706001056
HK2364	M64	16	120	206	110	90	12.4	706001064



## DIN582 EYE NUT

Item No.	Size	W.L.L.	Dimensions (mm)				Weight	Product Code
	d	ton	A	B	C	D	kg	
HK2406	M6	0.08	20	36	20	8	0.045	706002006
HK2408	M8	0.14	20	36	20	8	0.05	706002008
HK2410	M10	0.23	25	45	25	10	0.09	706002010
HK2412	M12	0.34	30	54	30	12	0.16	706002012
HK2414	M14	0.49	35	63	35	14	0.24	706002014
HK2416	M16	0.7	35	63	35	14	0.24	706002016
HK2418	M18	0.95	40	72	40	16	0.36	706002018
HK2420	M20	1.2	40	72	40	16	0.36	706002020
HK2422	M22	1.5	45	81	45	18	0.58	706002022
HK2424	M24	1.8	50	90	50	20	0.72	706002024
HK2427	M27	2.5	50	90	50	20	0.7	706002027
HK2430	M30	3.6	65	108	60	24	1.32	706002030
HK2433	M33	4.3	65	108	60	24	1.3	706002033
HK2436	M36	5.1	75	126	70	28	2.08	706002036
HK2439	M39	6.1	75	126	70	28	2.02	706002039
HK2442	M42	7	85	144	80	32	3.11	706002042
HK2445	M45	8	85	144	80	32	3.04	706002045
HK2448	M48	8.6	100	166	90	38	5.02	706002048
HK2452	M52	9.9	100	166	90	38	4.95	706002052
HK2456	M56	11.5	110	184	100	42	6.69	706002056
HK2464	M64	16	120	206	110	48	9.3	706002064

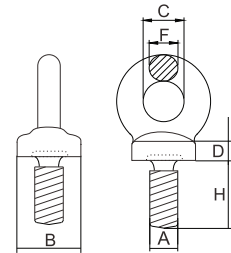


# STAINLESS STEEL HARDWARE

## BS4278-1 COLLARED EYE BOLT

Safety factor: 5:1  
Self colored finish as standard.

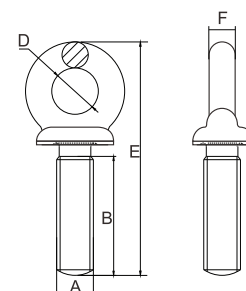
Item No.	Size	W.L.L. ton	Dimensions (mm)					Weight kg	Product Code
	A		B	C	D	F	H		
HK2506	M6	0.1	22	15	7	9	18	0.06	706003006
HK2508	M8	0.15	22	15	7	9	18	0.06	706003008
HK2510	M10	0.25	22	15	7	9	18	0.06	706003010
HK2512	M12	0.4	22	15	7	9	18	0.06	706003012
HK2516	M16	0.8	29	20	10	12	23	0.15	706003016
HK2518	M18	1	36	24	12	14	28	0.27	706003018
HK2520	M20	1.6	40	27	14	16	32	0.38	706003020
HK2522	M22	1.6	45	30	14	18	35	0.54	706003022
HK2524	M24	2.5	52	35	17	21	40	0.85	706003024
HK2527	M27	2.5	58	39	20	23	46	1.13	706003027
HK2530	M30	4	65	44	22	26	51	1.62	706003030
HK2533	M33	4	72	48	24	29	56	2.37	706003033
HK2536	M36	6.3	81	54	27	32	63	3.12	706003036
HK2539	M39	6.3	86	57	29	36	67	3.81	706003039
HK2545	M45	8	101	68	34	40	79	6.45	706003045
HK2552	M52	12.5	115	76	38	46	89	9.58	706003052
HK2556	M56	16	128	86	43	51	100	12.99	706003056
HK2564	M64	20	144	96	48	58	112	18.20	706003064



## US TYPE SHOULDER TYPE MACHINERY EYE BOLT

Material: forged carbon steel  
Surface finish: electro galvanized  
Safety factor: 5:1  
Application: recommended for in-line pull  
All bolts threaded UNC.

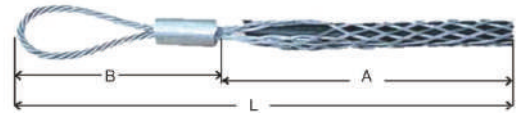
Item No.	Size	W.L.L. lbs	Dimensions (inch)					Weight kg	Product Code
			A	B	D	E	F		
HK2706	1/4" X 1"	650	0.25	1	0.75	2.29	0.19	0.015	706005006
HK2708	5/16" X 1-1/8"	1,200	0.31	1.13	0.88	2.74	0.25	0.028	706005008
HK2710	3/8" X 1-1/4"	1,550	0.38	1.25	1	3.07	0.31	0.057	706005010
HK2713	1/2" X 1-1/2"	2,600	0.5	1.5	1.19	4.45	0.38	0.113	706005013
HK2716	5/8" X 1-3/4"	5,200	0.63	1.75	1.38	5.07	0.5	0.227	706005016
HK2719	3/4" X 2"	7,200	0.75	2	1.5	5.87	0.63	0.397	706005019
HK2722	7/8" X 2-1/4"	10,600	0.88	2.25	1.75	6.66	0.75	0.681	706005022
HK2725	1" X 2-1/2"	13,300	1	2.5	2	7.2	0.88	0.990	706005025
HK2732	1-1/4" X 3"	21,000	1.25	3	2.5	9.49	1	1.725	706005032
HK2738	1-1/2" X 3-1/2"	24,000	1.5	3.5	3	10.48	1.25	3.177	706005038





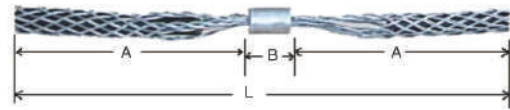
# CABLE SOCKS

- Complete range of cable socks including single eye, double eye, multi weave, lace up and open ended types for pulling and supporting all types of power, fibre, subsea cables and umbilicals during installation – cable socks are manufactured from galvanized steel wire and are available in shorter and longer length versions.  
 - Using cable pulling socks is probably the most common form of installation for underground cables and overhead conductors



## CABLE SOCKS CS-A TYPE

Item No.	Size	A	B	L	Max. Working Load	Weight	Product Code
	mm	mm	mm	mm	kg	kg	
CSA0811	8 - 11	350	140	490	600	0.09	707001011
CSA1113	11 - 13	400	190	590	1200	0.12	707001013
CSA1316	13 - 16	500	190	690	1200	0.26	707001016
CSA1621	16 - 21	550	220	770	1500	0.38	707001021
CSA2125	21 - 25	750	220	970	2000	0.49	707001025
CSA2530	25 - 30	750	250	1000	3000	0.5	707001030
CSA3035	30 - 35	900	300	1200	3500	1.23	707001035
CSA3542	35 - 42	1000	360	1360	4000	1.75	707001042
CSA4250	42 - 50	1300	360	1660	4500	2	707001050



## CABLE SOCKS CS-AA TYPE

Item No.	Size	A	B	L	Max. Working Load	Weight	Product Code
	mm	mm	mm	mm	kg	kg	
CSAA0811	8 - 11	350	140	840	600	0.1	707002011
CSAA1113	11 - 13	400	210	1010	1200	0.2	707002013
CSAA1316	13 - 16	500	210	1210	1200	0.4	707002016
CSAA1621	16 - 21	550	220	1320	1500	0.5	707002021
CSAA2125	21 - 25	750	220	1720	2000	0.9	707002025
CSAA2530	25 - 30	750	220	1720	3000	0.9	707002030
CSAA3035	30 - 35	900	280	2080	3500	1.1	707002035
CSAA3542	35 - 42	1000	280	2280	4000	2.07	707002042
CSAA4250	42 - 50	1300	280	2880	4500	3.05	707002050



## CABLE SOCKS WITH OPEN END CS-AB TYPE

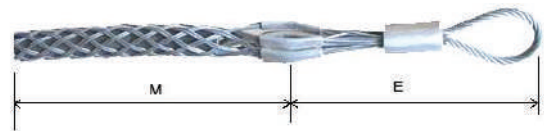
Item No.	Size	Length	Max. Working Load	Weight	Product Code
	mm	mm	kg	kg	
CSAB0811	8 - 11	840	600	0.1	707003011
CSAB1113	11 - 13	1010	1200	0.2	707003013
CSAB1316	13 - 16	1210	1200	0.4	707003016
CSAB1621	16 - 21	1320	1500	0.5	707003021
CSAB2125	21 - 25	1720	2000	0.8	707003025
CSAB2530	25 - 30	1720	3000	0.9	707003030
CSAB3035	30 - 35	2080	3500	1.1	707003035
CSAB3542	35 - 42	2280	4000	2.07	707003042
CSAB4250	42 - 50	2880	4500	3.06	707003050

# CABLE SOCKS



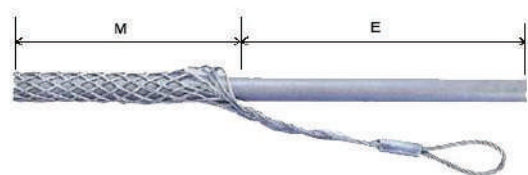
## CABLE SOCKS CS-B TYPE

Item No.	Size	M	E	Approx. Breaking Strength	Weight	Product Code
	mm			mm	mm	
CSB013016	13 - 16	406	127	2500	0.18	707004016
CSB016019	16 - 19	406	127	3000	0.24	707004019
CSB019025	19 - 25	813	152	3000	0.53	707004025
CSB025038	25 - 38	838	178	7400	1.08	707004038
CSB038050	38 - 50	864	178	7400	1.09	707004050
CSB051063	51 - 63	914	229	12200	2.1	707004063
CSB063076	63 - 76	965	254	14900	2.75	707004076
CSB076089	76 - 89	990	254	18500	2.76	707004089
CSB089102	89 - 102	1041	254	21600	3.07	707004102
CSB102114	102 - 114	1067	254	21600	3.52	707004114
CSB114126	114 - 126	1473	254	21600	3.8	707004126
CSB127152	127 - 152	1524	254	21600	3.85	707004152
CSB152177	152 - 177	1676	254	21600	4.05	707004177



## CABLE SOCKS CS-C TYPE

Item No.	Size	M	E	Approx. Breaking Strength	Weight	Product Code
	mm			mm	mm	
CSC19025	19 - 25	914	229	3000	0.32	707005025
CSC25038	25 - 38	914	229	4300	0.42	707005038
CSC38050	38 - 50	914	279	7400	0.79	707005050
CSC51063	51 - 63	914	305	8300	1.06	707005063
CSC63076	63 - 76	914	305	11000	1.7	707005076
CSC76089	76 - 89	914	356	11000	1.81	707005089
CSC89102	89 - 102	1016	356	14000	2.05	707005102



## CABLE SOCKS CS-S TYPE

Item No.	Size	M	E	Approx. Breaking Strength	Weight	Product Code
	mm			mm	mm	
CSS19025	19 - 25	280	127	1100	0.2	707006025
CSS25032	25 - 32	280	127	1600	0.28	707006032
CSS32038	32 - 38	508	152	1800	0.38	707006038
CSS38044	38 - 44	432	229	1800	0.4	707006044
CSS44050	44 - 50	457	254	1800	0.42	707006050
CSS51063	51 - 63	483	254	1800	0.54	707006063
CSS63076	63 - 76	508	254	1800	0.68	707006076
CSS76089	76 - 89	533	305	1800	0.8	707006089
CSS89102	89 - 102	559	305	1800	0.84	707006102

# STEEL LINK CHAIN

## CHAIN WITH CLEVIS/EYE GRAB HOOKS ON BOTH ENDS

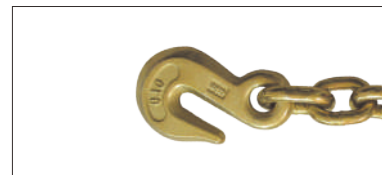
### Grade 43

Item No.	Size	Length	Working Load Limit	Min. Breaking Load	Weight	PCS/DRUM	Product Code
	inch	ft	lbs	lbs	kg/pc		
BC4301	1/4'	14'	2600	7800	4.5	50	708001401
BC4302	1/4'	16'	2600	7800	5	40	708001402
BC4303	5/16'	14'	3900	11700	7	35	708001403
BC4304	5/16'	16'	3900	11700	8	30	708001404
BC4305	5/16'	18'	3900	11700	9	30	708001405
BC4306	5/16'	20'	3900	11700	9.5	25	708001406
BC4307	5/16'	25'	3900	11700	12	20	708001407
BC4308	5/16'	30'	3900	11700	14	20	708001408
BC4309	3/8'	14'	5400	16200	10	25	708001409
BC4310	3/8'	16'	5400	16200	11.5	25	708001410
BC4311	3/8'	20'	5400	16200	13.5	20	708001411
BC4312	3/8'	25'	5400	16200	17.5	15	708001412

## CHAIN WITH CLEVIS/EYE GRAB HOOKS ON BOTH ENDS

### Grade 70

Item No.	Size	Length	Working Load Limit	Min. Breaking Load	Weight	PCS/DRUM	Product Code
	inch	ft	lbs	lbs	kg/pc		
BC7001	1/4'	14'	3150	12600	4	50	708001701
BC7002	1/4'	16'	3150	12600	5	40	708001702
BC7003	5/16'	14'	4700	18800	7	35	708001703
BC7004	5/16'	16'	4700	18800	8	30	708001704
BC7005	5/16'	18'	4700	18800	9	30	708001705
BC7006	5/16'	20'	4700	18800	10	25	708001706
BC7007	5/16'	25'	4700	18800	12	20	708001707
BC7008	5/16'	30'	4700	18800	14.5	20	708001708
BC7009	3/8'	14'	6600	26400	10	25	708001709
BC7010	3/8'	16'	6600	26400	11.5	20	708001710
BC7011	3/8'	20'	6600	26400	14.5	20	708001711
BC7012	3/8'	25'	6600	26400	18	15	708001712

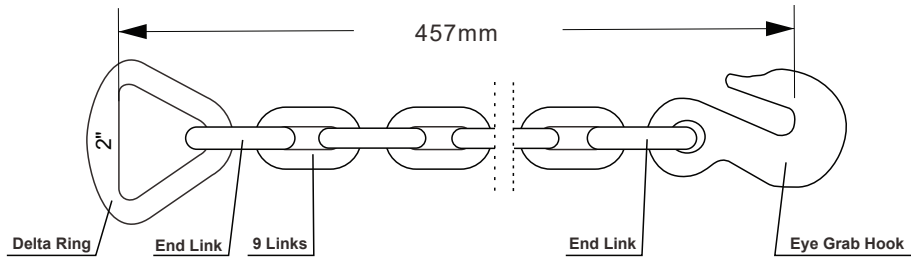


Manual Hoisting Equipments  
Textile Sling and Height Safety  
Transport and Load Restraints  
Lifting Chain/Chain Sling/Components  
Wire Rope/Wire Rope Sling/Components  
Rigging Hardware and Commercial Chain  
Material Handling Equipments

# STEEL LINK CHAIN

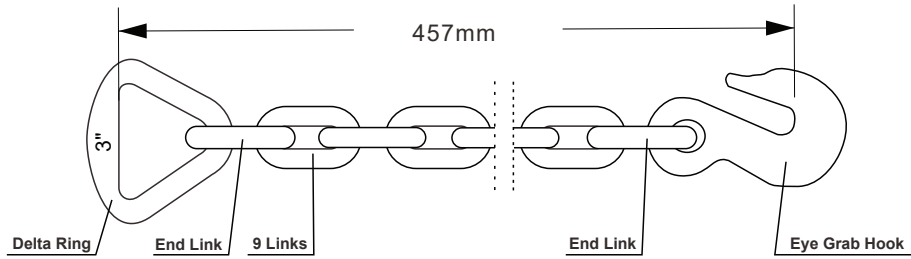
## CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END

Item No.	Delta Ring	End Link	Chain size	Link	Eye Grab Hook	Length	B.L./lbs	Weight	Product Code
	inch	inch	inch	Qty	inch	ft	lbs	kg	
SJH-51602	2	5/16	1/4	9	5/16	18	10000	0.9	708002201



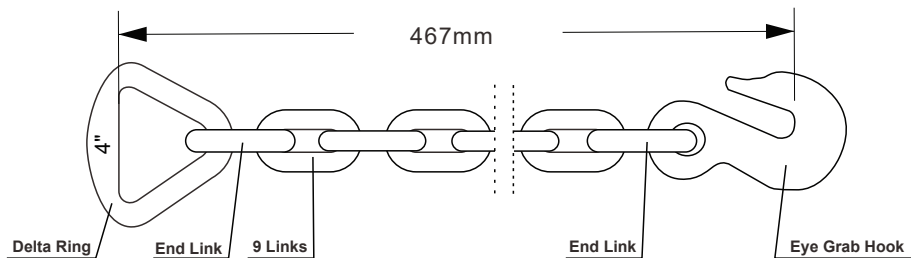
## CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END

Item No.	Delta Ring	End Link	Chain size	Link	Eye Grab Hook	Length	B.L./lbs	Weight	Product Code
	inch	inch	inch	Qty	inch	ft	lbs	kg	
SJH-03803	3	7/16	3/8	9	3/8	18	16200	1.7	708002301



## CHAIN WITH DELTA RING AND GRAB HOOK EACH ONE END

Item No.	Delta Ring	End Link	Chain size	Link	Eye Grab Hook	Length	B.L./lbs	Weight	Product Code
	inch	inch	inch	Qty	inch	ft	lbs	kg	
SJH-03804	4	7/16	5/16	9	3/8	18	20000	1.8	708002401



Manual Hoisting Equipments

Textile Sling and Height Safety

Transport and Load Restraints

Lifting Chain/Chain Sling/Components

Wire Rope/Wire Rope Sling/Components

Rigging Hardware and Commercial Chain

Material Handling Equipments

# STEEL LINK CHAIN

## Grade 30 Proof Coil Chain (Not to be used in overhead lifting applications)



Item No.	Nominal Chain Size		Material Diameter		Inside Length (Max.)		Inside Width (Min.)		Working Load Limit (Max.)		Proof Test (Min.)		Minimum Breaking Force		Product Code
	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg	lbs	kN	lbs	kN	
C903004	1/8	4.0	0.156	4.0	0.94	23.9	0.25	6.4	400	180	800	3.6	1,600	7.2	708004004
C903005	3/16	5.5	0.217	5.5	0.98	24.8	0.3	7.7	800	365	1,600	7.2	3,200	14.4	708004005
C903007	1/4	7.0	0.276	7.0	1.24	31.5	0.38	9.8	1,300	580	2,600	11.6	5,200	23.2	708004007
C903008	5/16	8.0	0.331	8.0	1.29	32.8	0.44	11.2	1,900	860	3,800	16.9	7,600	33.8	708004008
C903010	3/8	10.0	0.394	10.0	1.38	35.0	0.55	14.0	2,650	1,200	5,300	23.6	10,600	47.2	708004010
C903012	7/16	11.9	0.468	11.9	1.64	41.6	0.65	16.6	3,700	1,680	7,400	32.9	14,800	65.8	708004012
C903013	1/2	13.0	0.512	13.0	1.79	45.5	0.72	18.2	4,500	2,030	9,000	40.0	18,000	80.0	708004013
C903016	5/8	16.0	0.630	16.0	2.20	56.0	0.79	20.0	6,900	3,130	13,800	61.3	27,600	122.6	708004016
C903020	3/4	20.0	0.787	20.0	2.76	70.0	0.98	25.0	10,600	4,800	21,200	94.3	42,400	188.6	708004020
C903022	7/8	22.0	0.866	22.0	3.03	77.0	1.08	27.5	12,800	5,810	25,600	114.1	51,200	228.2	708004022
C903026	1	26.0	1.020	26.0	3.58	90.9	1.25	31.7	17,900	8,140	35,800	159.1	71,600	318.2	708004026

The Proof Test and Minimum Breaking Force shall not be used as criteria for service and design purposes.

## Grade 43 High Test Chain (Not to be used in overhead lifting applications)



Item No.	Nominal Chain Size		Material Diameter		Inside Length (Max.)		Inside Width (Min.)		Working Load Limit (Max.)		Proof Test (Min.)		Minimum Breaking Force		Product Code
	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg	lbs	kN	lbs	kN	
C904307	1/4	7.0	0.296	7.0	1.24	31.5	0.38	9.8	2,600	1,180	3,900	17.3	7,800	34.6	708007707
C904308	5/16	8.7	0.343	8.7	1.29	32.8	0.44	11.2	3,900	1,770	5,850	26.0	11,700	52.0	708007708
C904310	3/8	10.0	0.406	10.3	1.38	35.0	0.55	14.0	5,400	2,450	8,100	36.0	16,200	72.0	708007710
C904312	7/16	11.9	0.468	11.9	1.64	41.6	0.65	16.6	7,200	3,270	10,800	48.0	21,600	96.0	708007712
C904313	1/2	13.0	0.531	13.5	1.79	45.5	0.72	18.2	9,200	4,170	13,800	61.3	27,600	122.6	708007713
C904316	5/8	16.0	0.630	16.0	2.20	56.0	0.79	20.0	13,000	5,910	19,500	86.5	39,000	173.0	708007716
C904320	3/4	20.0	0.787	20.0	2.76	70.0	0.98	25.0	20,200	9,180	30,300	134.7	60,600	269.4	708007720
C904322	7/8	22.0	0.866	22.0	3.03	77.0	1.08	27.5	24,500	11,140	36,750	163.3	73,500	326.6	708007722

The Proof Test and Minimum Breaking Force shall not be used as criteria for service and design purposes.

## Grade 70 Transport Chain (Not to be used in overhead lifting applications)



Item No.	Nominal Chain Size		Material Diameter		Inside Length (Max.)		Inside Width (Min.)		Working Load Limit (Max.)		Proof Test (Min.)		Minimum Breaking Force		Product-Code
	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg	lbs	kN	lbs	kN	
C907007	1/4	7.0	0.281	7.0	1.24	31.5	0.38	9.8	3,150	1,430	6,300	28.0	12,600	56.0	708010707
C907008	5/16	8.7	0.343	8.7	1.29	32.8	0.44	11.2	4,700	2,130	9,400	41.8	18,800	83.6	708010708
C907010	3/8	10.0	0.406	10.3	1.38	35.0	0.55	14.0	6,600	2,990	13,200	98.7	26,400	117.4	708010710
C907012	7/16	11.9	0.468	11.9	1.64	41.6	0.65	16.6	8,750	3,970	17,500	77.8	35,000	155.4	708010712
C907013	1/2	13.0	0.531	13.5	1.79	45.5	0.72	18.2	11,300	5,130	22,600	100.4	45,200	200.8	708010713
C907016	5/8	16.0	0.630	16.0	1.79	56.0	0.79	20.0	15,800	7,170	31,600	140.4	63,200	280.8	708010716
C907020	3/4	20.0	0.787	20.0	2.76	70.0	0.98	25.0	24,700	11,200	49,400	219.6	98,800	439.2	708010722

The Proof Test and Minimum Breaking Force shall not be used as criteria for service and design purposes.



# COMMERCIAL CHAIN

## DIN 763 LINK CHAIN



Item No.	Size mm	I.L. mm	O.W. mm	W.L.L. kg	B.L. kN	WT./M kg	Product Code
C-76304	4	32	16	100	6	0.27	708012304
C-76305	5	35	20	160	10	0.43	708012305
C-76306	6	42	24	200	12.5	0.63	708012306
C-76307	7	49	28	300	18	0.86	708012307
C-76308	8	52	32	400	25	1.10	708012308
C-76310	10	65	40	630	40	1.75	708012310
C-76313	13	82	52	1000	63	2.95	708012313
C-76316	16	100	64	1600	100	4.45	708012316
C-76320	20	120	75	2500	160	7.00	708012320

## DIN 766 LINK CHAIN



Item No.	Size mm	I.L. mm	O.W. mm	W.L.L. kN	B.L. kN	WT./M kg	Product Code
C-76604	4	16	14.2	2.0	8.0	0.32	708013604
C-76605	5	18.5	17	3.2	12.5	0.50	708013605
C-76606	6	18.5	20.4	4.0	16.0	0.80	708013606
C-76607	7	22	23.8	6.3	25.0	1.10	708013607
C-76608	8	24	27.2	8.0	32.0	1.40	708013608
C-76609	9	27	30.6	10.0	40.0	1.80	708013609
C-76610	10	28	36	12.5	50.0	2.20	708013610
C-76611	11	31	37.4	16.0	63.0	2.70	708013611
C-76613	13	36	44.2	20.0	80.0	3.80	708013613
C-76614	14	41	47.6	25.0	100.0	4.40	708013614
C-76616	16	45	54.4	32.0	125.0	5.70	708013616
C-76618	18	50	61.2	40.0	160.0	7.30	708013618
C-76620	20	56	68	50.0	200.0	9.00	708013620

## DIN 5685 LONG LINK CHAIN



Item No.	Size mm	I.L. mm	O.W. mm	W.L.L. kN	B.L. kN	WT./M kg	Product Code
C-L568503	3	26	12	1.12	2.8	0.15	708014503
C-L568504	4	32	16	2.0	5.0	0.27	708014504
C-L568505	5	35	20	3.15	7.75	0.43	708014505
C-L568506	6	42	24	4.5	11.5	0.63	708014506
C-L568507	7	49	28	6.0	15.0	0.86	708014507
C-L568508	8	52	32	8.0	20.0	1.10	708014508
C-L568509	9	59	36	10.0	25.0	1.41	708014509
C-L568510	10	65	40	12.5	31.0	1.75	708014510
C-L568511	11	72	44	15.0	38.0	2.11	708014511
C-L568512	12	78	48	18.0	45.0	2.55	708014512
C-L568513	13	82	52	21.2	53.0	2.95	708014513

## DIN 5685 SHORT LINK CHAIN



Item No.	Size mm	I.L. mm	O.W. mm	W.L.L. kN	B.L. kN	WT./M kg	Product Code
C-S568503	3	16	11	1.12	2.8	0.16	708015503
C-S568504	4	19	15	2.0	5.0	0.30	708015504
C-S568505	5	21	19	3.15	7.75	0.50	708015505
C-S568506	6	24	23	4.5	11.5	0.73	708015506
C-S568507	7	28	27	6.0	15.0	1.00	708015507
C-S568508	8	32	31	8.0	20.0	1.30	708015508
C-S568509	9	36	35	10.0	25.0	1.65	708015509
C-S568510	10	40	39	12.5	31.0	2.05	708015510
C-S568511	11	44	43	15.0	38.0	2.50	708015511
C-S568512	12	48	47	18.0	45.0	2.90	708015512
C-S568513	13	52	51	21.2	53.0	3.45	708015513

## AUSTRALIAN STANDARD CHAIN, MEDIUM LINK



Item No.	Size mm	I.L. mm	O.W. mm	W.L.L. ton	B.L. ton	WT./M kg	Product Code
C-AUM03	3	15.7	13.1	0.06	0.15	0.201	708016003
C-AUM04	4	18.6	16.0	0.11	0.27	0.328	708016004
C-AUM05	5	22.0	19.4	0.19	0.47	0.518	708016005
C-AUM06	6	26.1	23.5	0.32	0.80	0.833	708016006
C-AUM08	8	32.2	29.5	0.53	1.33	1.350	708016008
C-AUM10	10	39.1	36.2	0.83	2.08	2.123	708016010
C-AUM13	13	49.1	46.1	1.50	3.75	3.610	708016013
C-AUM16	16	59.6	56.5	2.31	5.78	5.495	708016016
C-AUM20	20	73.3	70.0	3.67	9.17	8.621	708016020
C-AUM24	24	87.0	83.6	5.31	13.20	12.440	708016024

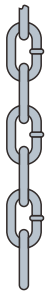
## NORWEGIAN STANDARD LINK CHAIN



Item No.	Size mm	I.L. mm	I.W. mm	B.L. ton	WT./M kg	Product Code
C-N003	3.5	18	5.5	0.5	0.25	708017003
C-N005	5	22	8.5	1.0	0.50	708017005
C-N006	6.5	24	10.0	1.5	0.85	708017006
C-N008	8	25.5	11.0	2.5	1.35	708017008
C-N010	10	32	13.0	4.0	2.10	708017010
C-N011	11	35	16.0	5.0	2.55	708017011
C-N013	13	39	18.0	6.4	3.70	708017013
C-N016	16	48	23.0	10.0	5.70	708017016
C-N019	19	57	27.0	14.0	8.00	708017019

# STAINLESS STEEL CHAIN

## S.S. DIN 766 CHAIN



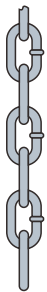
Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-C76602	2	12	3.5	0.07	709018602
S-C76603	3	16	5	0.17	709018603
S-C76604	4	16	5	0.32	709018604
S-C76605	5	18.5	6	0.5	709018605
S-C76606	6	18.5	7.2	0.8	709018606
S-C76607	7	22	8.4	1.1	709018607
S-C76608	8	24	9.6	1.4	709018608
S-C76609	9	27	10.8	1.8	709018609
S-C76610	10	28	12	2.3	709018610
S-C76613	13	36	15.6	3.8	709018613

## S.S. DIN 763 CHAIN



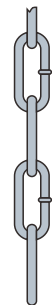
Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-C76302	2	22	4	0.06	709023302
S-C76303	3	26	6	0.15	709023303
S-C76304	4	32	8	0.27	709023304
S-C76305	5	35	10	0.43	709023305
S-C76306	6	42	12	0.63	709023306
S-C76307	7	49	14	0.86	709023307
S-C76308	8	52	16	1.1	709023308
S-C76309	9	59	18	1.41	709023309
S-C76310	10	65	20	1.75	709023310
S-C76313	13	85	26	2.95	709023313

## S.S. DIN 5685 SHORT LINK CHAIN



Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-S568503	3	10	6	0.17	709019503
S-S568504	4	19	8	0.3	709019504
S-S568505	5	21	10	0.5	709019505
S-S568506	6	24	12	0.73	709019506
S-S568507	7	28	14	1	709019507
S-S568508	8	32	16	1.3	709019508
S-S568509	9	36	18	1.65	709019509
S-S568510	10	40	20	2.05	709019510
S-S568513	13	52	26	3.45	709019513

## S.S. DIN 5685 LONG LINK CHAIN



Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-L568502	2	22	4	0.06	709024502
S-L568503	3	26	6	0.15	709024503
S-L568504	4	32	8	0.27	709024504
S-L568505	5	35	10	0.43	709024505
S-L568506	6	42	12	0.63	709024506
S-L568507	7	49	14	0.86	709024507
S-L568508	8	52	16	1.1	709024508
S-L568509	9	59	18	1.41	709024509
S-L568510	10	65	20	1.75	709024510
S-L568513	13	85	26	2.95	709024513

## S.S. ASTM-80 STANDARD CHAIN



Item No.	Size		I.L. mm	I.W. mm	WT./M kg	Product Code
	Inch	mm				
S-CAS8004	1/8	4	23	7	0.29	709020004
S-CAS8005	3/16	5.5	24	10.2	0.6	709020005
S-CAS8007	1/4	7	25.4	12.7	1.07	709020007
S-CAS8008	5/16	8.7	27.9	12.7	1.57	709020008
S-CAS8010	3/8	10	31.2	15.7	2.3	709020010
S-CAS8013	1/2	13	39.6	18.2	4	709020013

## S.S. NACM84/90 STANDARD CHAIN



Item No.	Size		I.L. mm	I.W. mm	WT./M kg	Product Code
	Inch	mm				
S-NA9004	1/8	4	23	7	0.29	709025004
S-NA9005	3/16	5.5	24	10.2	0.60	709025005
S-NA9007	1/4	7	29.3	11	0.98	709025007
S-NA9008	5/16	8.7	31.5	12.4	1.28	709025008
S-NA9010	3/8	10	33.6	15.1	2.12	709025010
S-NA9013	1/2	13	43.7	19.8	3.61	709025013

## S.S. AUSTRALIAN STANDARD CHAIN



Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-CAU04	4	18.6	8	0.32	709021004
S-CAU05	5	22	9.4	0.5	709021005
S-CAU06	6	26	11.5	0.7	709021006
S-CAU08	8	32.2	13.5	1.28	709021008
S-CAU10	10	39	16.2	2.06	709021010

## S.S. JIS STANDARD CHAIN



Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-CJP02	2	12	3.5	0.07	709026002
S-CJP03	3	19	5	0.16	709026003
S-CJP04	4	26	6	0.27	709026004
S-CJP41	4	20	6	0.29	709026005
S-CJP50	5	27	7	0.44	709026006
S-CJP51	5	20	7	0.49	709026007
S-CJP55	5.5	30	8	0.54	709026008
S-CJP551	5.5	24	10	0.60	709026009
S-CJP60	6	31	9	0.65	709026010
S-CJP61	6	24	9	0.72	709026011
S-CJP70	7	37	10	0.88	709026012
S-CJP71	7	28	10	0.96	709026013
S-CJP80	8	38	11	1.18	709026014
S-CJP81	8	32	12	1.27	709026015
S-CJP90	9	39	13	1.55	709026016
S-CJP91	9	36	14	1.61	709026017
S-CJP10	10	42	15	1.95	709026018
S-CJP120	12	54	20	2.77	709026019
S-CJP121	12	48	19	2.88	709026020

## S.S. KOREAN STANDARD CHAIN



Item No.	Size mm	I.L. mm	I.W. mm	WT./M kg	Product Code
S-CKR03	3	23	5.3	0.15	709022003
S-CKR04	4	22	7.5	0.3	709022004
S-CKR05	5	23.7	8.3	0.47	709022005
S-CKR06	6	27.3	10	0.7	709022006
S-CKR07	7	31	12	0.95	709022007
S-CKR08	8	35	13.7	1.25	709022008
S-CKR09	9	39	15.2	1.58	709022009
S-CKR12	12	38	18	3.13	709022012

# MATERIAL HANDLING EQUIPMENTS





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# MOVING SKATE

## Features

- Moving skates are also known as machinery skates or load moving dollies.
- Ideal solution for all kinds of heavy equipment moving, machinery installation and maintenance.
- Small equipment and easy storage.
- Moving skates moves heavier loads safely and easily.
- Several skates can be used at the same time if the heavy load can be supported at several points and the weight is evenly distributed.
- Steel construction.
- Wheel: nylon, PU and iron.
- Durable powder-coated finish.

## MOVING SKATE CTA TYPE

Model	Capacity	No. of Roller	Skate Size	Weight	Product Code
	ton			pcs	
CTA-06	6	4	287x220x101	12	801001006
CTA-08	8	6	384x220x101	19	801001008
CTA-12	12	8	478x220x101	25	801001012
CTA-18	18	12	478x310x101	36	801001018
CTA-20	20	16	500x397x115	55	801001020
CTA-25	25	20	598x404x115	85	801001025
CTA-30	30	25	585x486x110	110	801001030



## MOVING SKATE CTB TYPE

Model	Capacity	No. of Roller	Skate Size	Weight	Product Code
	ton			pcs	
CTB-06	6	4	287x220x110	14	801002006
CTB-08	8	6	384x220x110	20	801002008
CTB-12	12	8	478x220x110	27	801002012
CTB-18	18	12	478x310x110	37	801002018
CTB-20	20	16	500x397x115	57	801002020



## MOVING SKATE MSF TYPE

Model	Capacity	No. of Roller	No. of Axle	Roller Size	Skate Size	Weight	Product Code
	ton			pcs		pcs	
MSF010	1	4	2	75 x 35	330x200x120	7	801003010
MSF020	2	8	2	75 x 35	330x200x120	8	801003020
MSF025	2.5	2	2	85 x 90	265x105x115	4.4	801003025
MSF030	3	4	2	85 x 90	345x212x115	8.4	801003030
MSF060	6	6	3	85 x 90	415x215x115	12	801003060



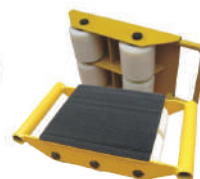
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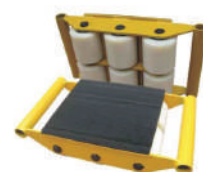
MSF020



MSF025



MSF030



MSF060



## MOVING SKATE

### 360° ROTATING MOVING SKATE MSR TYPE

#### Features

- Ideal solution for all kinds of heavy equipment moving, machinery installation and maintenance.
- Small equipment and easy storage.
- The 360° rotating castors enable quick change of direction.
- Circular anti-slip mat on top of skates for stability and protection of loads.
- Removable steering handle for easy storage.

Model	Capacity	No. of Roller	Roller	Skate Size	Weight	Product Code
	ton	pcs		LxWxH (mm)	kg	
MSR03	3T	3	PU	502x448x112	27	801004003
MSR04	4T	4	PU	445x360x112	30	801004004
MSR05	5T	5	PU	588x547x112	38	801004005



### MOVING SKATE CTXY TYPE

#### Features

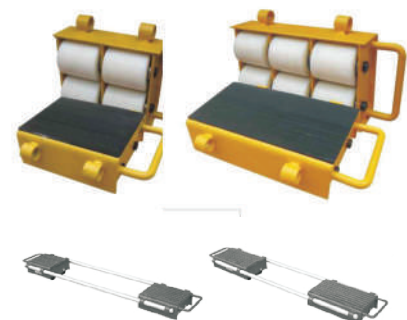
- Ideal for moving industrial machine and heavy loads.
- One set consists of one front steerable skate (X serie) and two rear skates (Y serie).
- X serie steerable skate allows the load to change direction whilst being moved.
- Y serie rear skates are held in line with a tie rod.

Model	Capacity	Description		Load Plate Area Size	Handle Length	Skate Size	Weight	Product Code
	ton			mm	mm	LxWxH (mm)	kg	
CTXY08	8	X4 + Y4	X4	Φ150	1020	230x220x113	28	801005008
			Y4	130x130	260-1000	170x130x113		
CTXY16	16	X8 + Y8	X8	Φ160	1130	493x527x113	71	801005016
			Y8	200x160	490-1700	200x195x113		
CTXY24	24	X12 + Y12	X12	Φ180	1130	536x748x113	99	801005024
			Y12	280x180	650-1780	280x200x113		
CTXY32	32	X16 + Y16	X16	Φ200	1300	560x899x113	129	801005032
			Y16	339x175	650-2000	204x339x113		
CTXY36	36	X18 + Y18	X18	Φ200	1300	616x762x113	145	801005036
			Y18	280x270	650-2080	300x280x113		
CTXY48	48	X24 + Y24	X24	Φ220	1600	684x882x162	242	801005048
			Y24	330x200	730-1320	230x330x162		
CTXY64	64	X32 + Y32	X32	Φ 250	1600	690x1103x169	315	801005064
			Y32	420x220	930-2420	230x420x169		



### MOVING SKATE MSC TYPE

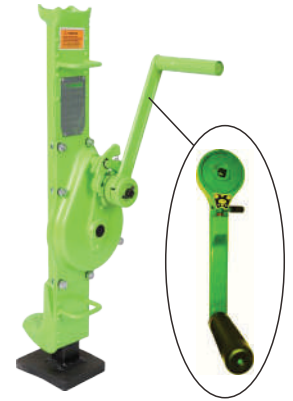
Model	Load Capacity per Pair	Roller	No. of Roller	Roller Size	Adjustable Range	Skate Size	Weight	Product Code
	ton		pcs	ØxW (mm)	mm	LxWxH (mm)	kg	
MSC06	6	NYLON	8	85 x 90	500-1400	310x280x110	28	801006008
MSC12	12	NYLON	12	85 x 90	720-1500	410x280x110	38	801006012
MSC24	24	STEEL	16	85 x 90	720-1500	510x280x110	65	801006024



# RACK JACK

## RACK JACK RJ TYPE

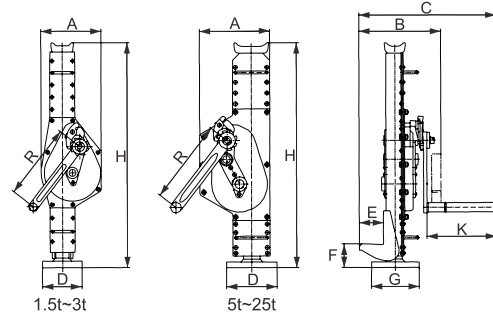
Model	Capacity	Proof Load	Effort Required to Lift Rated Load	Stroke	Min. Lifting Height (mm)		Dimensions (mm)								N.W. kg	Product Code
	t	kN			N	F	H	A	B	C	D	E	G	K		
RJ015	1.5	18.4	150	300	60	600	163	190	273	100	55	110	113	225	13.5	802001015
RJ030	3	36.8	280	350	70	730	197	200	296	130	60	140	127	250	21.2	802001030
RJ050	5	61.3	280	350	80	730	189	239	335	140	71	170	127	275	28.5	802001050
RJ100	10	122.5	560	410	85	800	250	293	498	140	86	170	248	300	46.8	802001100
RJ160	16	196	640	320	95	800	275	320	514	150	78	180	250	300	65	802001160
RJ200	20	245	640	320	100	860	275	335	529	150	78	180	250	380	75	802001200



Safety ratchet crank available upon request.

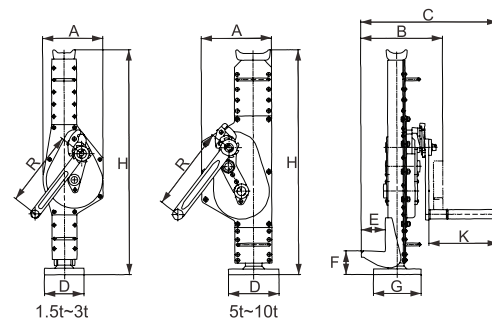
### Features

- Mechanical jack for working in vertical position.
- Operation with foldable handle.
- Supporting parts are extra hardened.
- Two safety pawls for controlled descent.
- With safety locking mechanism.
- Tested with 25% overload.
- Capacity on the toe is 70% of the WLL for RJ160 and RJ200.



## LOW PROFILE RACK JACK RJL TYPE

Model	Capacity	Proof Load	Effort Required to Lift Rated Load	Stroke	Min. Lifting Height (mm)		Dimensions (mm)								N. W. kg	Product Code
	t	kN			N	F	H	A	B	C	D	E	G	K		
RJL015	1.5	18.4	150	300	25	600	163	206	289	160	55	140	113	225	14.8	802002015
RJL030	3	36.8	280	350	40	735	197	219	316	170	60	150	127	250	23.3	802002030
RJL050	5	61.3	280	350	40	735	189	258	355	200	70	170	127	275	31.3	802002050
RJL100	10	122.5	560	410	40	805	250	318	523	220	86	170	248	300	49	802002100

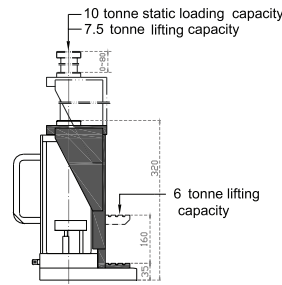


# TOE JACK

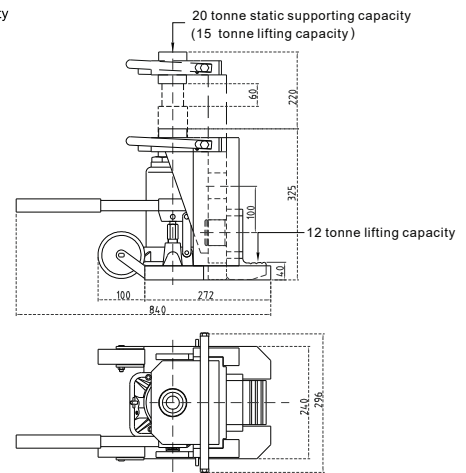
**Toe jacks** are commonly used to lift and lower machines and other large and heavy loads onto moving skates. They are ideal to lift equipments with very low ground clearances.

We offer 3 types of toe jack, machinery toe jack, adjustable toe jack and rotational toe jack.

## MACHINERY TOE JACK, MTJ TYPE



MTJ06



MTJ12

### Features

- Used to lift heavy objects from a low height.
- Two lifting position (toe and top) for different capacity.
- Safety valve for overload protection.
- Adjustable lowering speed.
- Removable pump handle.

Model	Top Rated Lifting Capacity	Toe Rated Lifting Capacity	Top Min. Height	Toe Min. Height	Lifting Stroke	Screw Rod Adjustable Height	Support Capacity on Top	Weight	Product Code
	t	t	mm	mm				kg	
MTJ06	7.5	6	320	35	160	0 ~ 80	100,000	25	807003075
MTJ12	15	12	325	40	140	0 ~ 60	200,000	68	807003150

## ADJUSTABLE TOE JACK, ATJ TYPE

### Features

- Super low profile lifting toe.
- Three position adjustable lifting toe.
- Heavy duty structure.



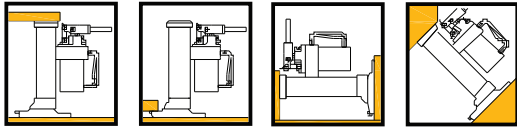
Model	Rated Lifting Capacity	Toe Min. Height	Lifting Stroke	Weight	Product Code
	t	mm	mm	kg	
ATJ03	3	15	140	21.5	807004003
ATJ08	8	20	140	28.5	807004008

# TOE JACK

## ROTATIONAL TOE JACK, RTJ TYPE

### Features

- Compact and stable construction.
- Can be used in any position.
- Housing revolves 360 degrees.
- Lowering speed can be accurately adjusted.
- Protected against overloading.
- Pump lever is removable.
- According to CE safety standard.

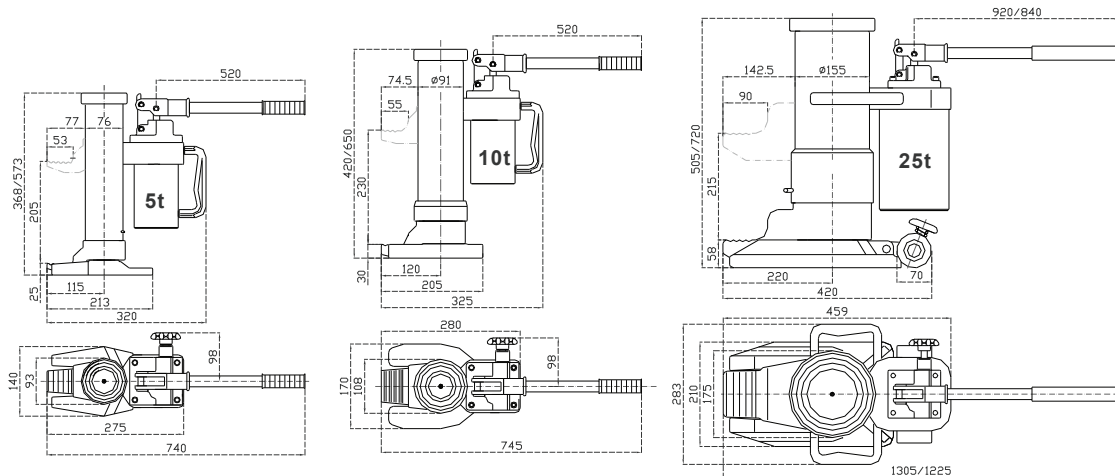


**RTJ05**  
5 ton

**RTJ10**  
10 ton

**RTJ25**  
25 ton

Model	Rated Lifting Capacity	Lifting Range of Toe	Lifting Range of Top	Force on the Operating Handle	Weight	Product Code
	t	mm	mm	N	kg	
RTJ05	5	25 ~ 230	368 ~ 573	≤380	25	807005005
RTJ10	10	30 ~ 260	420 ~ 650	≤400	35	807005010
RTJ25	25	58 ~ 273	505 ~ 720	≤400	102	807005025



# FORKLIFT JACK

## FORKLIFT JACK, FLJ TYPE

### Features

- High capacity and rugged construction.
- Extra low entry point and 2-position lift pad, ideal for ultra low clearance forklift trucks.
- Special designed hydraulic pump with German seal kits and overload valve.
- Removable handle and compact size.

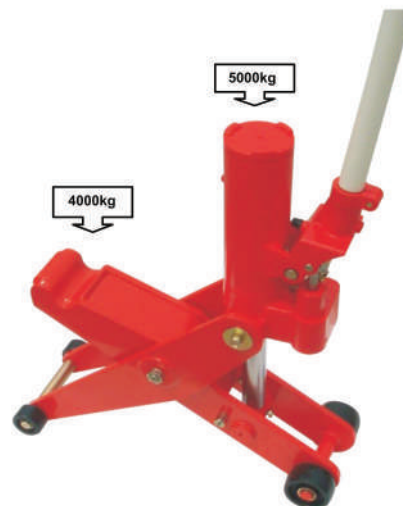


Model	Rated Lifting Capacity	Min. Height	Max. Height	Weight	Product Code
	t	mm	mm	kg	
FLJ04	4	65	406	33	807001004
FLJ07	7	65	420	48	807001007

## FORKLIFT JACK, FLD TYPE

### Features

- Two alternative lifting speeds:  
quick lift: 20 x pump strokes.  
slow lift: 60 x pump strokes.
- Two alternative lifting positions:  
low position: capacity 4000kg  
high position: capacity 5000kg
- Built in overload valve and bypass valve for extra safety.



Model	Lifting Position	Rated Lifting Capacity	Min. Height	Max. Height	Weight	Product Code
		t	mm	mm	kg	
FLD05	Low Position	4	65	425	45	807002012
	High Position	5	414	720		



# HYDRAULIC FLOOR JACK

## HYDRAULIC FLOOR JACK, FJH & FJP TYPE

### Features

- Designed for raising and lowering motor vehicles, such as cars and trucks in workshops and garages.
- It is easy to use, lightweight and portable, enabling you to replace car accessories and perform routine maintenance more safely and efficiently.
- It's steel chassis and castors are strong and durable making it ideal for a variety of lifting tasks.
- Automatic overload safety valve allows for safer use.
- FJH type also benefits from a built in carry handle.
- FJP type with low profile is ideal for use with cars with low ground clearance.



FJH Type



FJP Type

Model	Capacity	Min. Height	Lifting Height	Max. Height	N.W.	G.W.	Product Code
	t	mm	mm	mm	kg	kg	
FJH-125	1.25	125	165	290	5.6	6	808001125
FJH-150	1.5	125	175	300	6.8	7	808001150
FJH-200	2	135	200	335	8.5	9	808001200
FJH-225	2.25	135	360	495	30	31	808001225
FJH-250	2.5	135	360	495	34	31	808001250
FJH-300	3	135	360	495	35	33	808001300
FJP-200	2	85	240	325	9.5	10	808002200
FJP-225	2.25	75	425	500	32	33	808002225

## STEEL & ALUMINUM FLOOR JACK, FJA TYPE

### Features

- Ideal for use with motor vehicles.
- Light weight.
- Easy to carry and maneuver.
- Automatic overload protection system.
- Steel swivel castors for easier movement.
- Ideal lift tool for repairing and maintaining vehicle.
- Twin piston pump for a quick lift action.



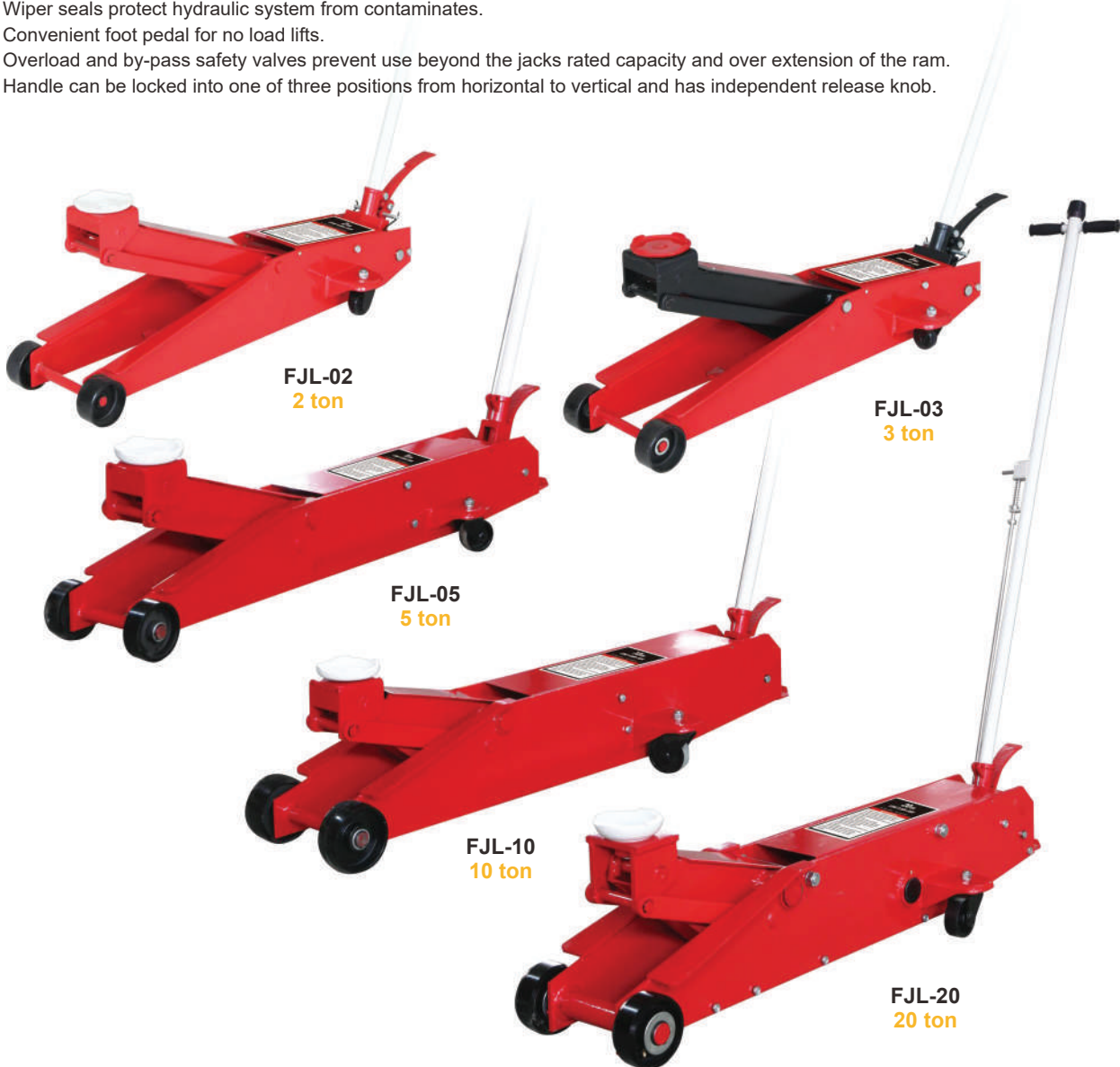
Model	Capacity	Min. Height	Max. Height	Lifting Height	Weight	Product Code
	t	mm	mm	mm	kg	
FJA-015	1.5	89	359	270	14	808003020
FJA-020	2	86	418	332	19.5	808003120

# HYDRAULIC FLOOR JACK

## HYDRAULIC LONG CHASSIS FLOOR JACK, FJL TYPE

### Features

- This floor jack features an extra-long chassis and large saddle.
- Welded hydraulic pump and cylinder construction provides increased strength and prevention.
- Chrome plated ram for additional rust resistance.
- Wiper seals protect hydraulic system from contaminates.
- Convenient foot pedal for no load lifts.
- Overload and by-pass safety valves prevent use beyond the jacks rated capacity and over extension of the ram.
- Handle can be locked into one of three positions from horizontal to vertical and has independent release knob.



Model	Capacity	Min. Height	Lifting Range	Max. Height	Weight	Product Code
	t	mm	mm	mm	kg	
FJL -02	2	140	660	880	55	808004002
FJL -03	3	145	465	610	80	808004003
FJL -05	5	160	400	560	97	808004005
FJL -10	10	170	400	570	140	808004010
FJL -20	20	190	460	650	215	808004020

# HYDRAULIC BOTTLE JACK

## Features

Ideal for lifting farm vehicles, heavy-duty machinery, industrial construction equipment, etc.

- Compact and stable construction.
- High-quality, glide-action pressure pump designed to lift with minimum effort.
- Two-piece pump handle for easy use in tight spaces and compact storage.
- Tough heat-treated extension screw.
- Wide base for improved stability.
- BJE type is with safety overload valve and complies with EU standard. BJA type complies with American standard.



**BJE TYPE**  
with safety valve



**BJA TYPE**

## HYDRAULIC BOTTLE JACK, BJE TYPE

Model	Capacity	Min. Height	Lifting Range	Adjust. Height	Max. Height	Weight	Product Code
	t	mm	mm	mm	mm	kg	
BJE002	2	148	80	50	278	2.3	809001002
BJE003	3	178	105	60	343	3.1	809001003
BJE005	5	185	113	60	358	3.9	809001005
BJE008	8	185	105	60	350	4.6	809001008
BJE010	10	190	110	60	360	5.3	809001010
BJE012	12	190	100	60	350	6.3	809001012
BJE015	15	190	105	60	355	7.1	809001015
BJE020	20	190	95	60	345	9.3	809001020
BJE030	30	220	115	/	335	11.8	809001030
BJE050	50	260	140	/	400	27.5	809001050

## HYDRAULIC BOTTLE JACK, BJA TYPE

Model	Capacity	Min. Height	Lifting Range	Adjust. Height	Max. Height	Weight	Product Code
	t	mm	mm	mm	mm	kg	
BJA002	2	158	90	60	308	2.3	810002002
BJA004	4	195	125	60	380	3.3	810002004
BJA006	6	197	125	60	382	4.4	810002006
BJA008	8	205	125	60	390	5.4	810002008
BJA010	10	205	125	60	390	6	810002010
BJA012	12	215	125	60	400	7	810002012
BJA016	16	225	140	60	425	8	810002016
BJA020	20	244	145	60	449	11	810002020
BJA025	25	244	145	/	389	11	810002025
BJA032	32	285	180	/	465	13.5	810002032
BJA050	50	300	180	/	480	30	810002050
BJA100	100	340	180	/	520	75	810002100

# JACK STAND

**Jack stands** keep a vehicle propped up and stable after lifting it with a jack. It is important to never work under a vehicle supported only by a jack. Jack stands will minimize the risk of a lifted vehicle dropping unexpectedly, and should be rated to support more weight than the weight of your heaviest vehicle. We have light-duty and heavy-duty jack stands which are ideal for supporting most cars, trucks, SUVs..

## JACK STAND, JSA TYPE

### Features

- Oversized saddles provide positive contact and added stability.
- Dual purpose handle for saddle column lock release and portable transport.
- Sturdy welded steel frame construction with rust resistant finish for longer tool life.
- Anti-sink feet for added support and stability.
- Used as a matched pair to support one end of a vehicle only.



Model	t	mm	mm	kg	Product Code
	JSA-02	2	280	425	
JSA-03	3	285	425	4.7	811001003
JSA-06	6	390	595	9	811001006
JSA-12	12	482	747	23.5	811001012



## JACK STAND, JSB TYPE

### Features

- Oversized saddles provide positive contact and added stability.
- Heavy duty holding pins for adjustable heights.
- Sturdy welded steel frame construction with rust resistant finish for longer tool life.
- Large square base distributes weight evenly and prevents sinking.
- Used as a matched pair to support one end of a vehicle only.

Model	Capacity/pair	Min. Height	Max. Height	Weight/pair	Product Code
	t	mm	mm	kg	
JSB-05	5	310	410	16	811002005
JSB-22	22	365	510	27.5	811002022



**JSB-05**  
5 ton

**JSB-22**  
22 ton

# JACK STAND AND SCREW JACK

## JACK STAND, JSC TYPE

### Features

- Sturdy steel construction with a locking safety pin.
- 'U' shaped saddle for even load distribution.
- JSC-020 can be folded when not in use, while JSC-120 is with a fixed base.
- Used as a matched pair to support one end of a vehicle only.



JSC-020

JSC-120

Model	Capacity	Min. Height	Lifting Height	Max. Height	Weight/pair	Product Code
	ton	mm	mm	mm	kg	
JSC-020	2	275	95	365	3	811003020
JSC-120	2	270	100	370	3.2	811003120

## MECHANICAL SCREW JACK, MSJ TYPE

### Features

- Mechanical screw jack is for loading dock equipment for ideal operation.
- Acme thread post that supports the load is for maximum efficiency.
- Mechanical design means there are no seals that could leak.
- Post will not drift down, even after extended use.



Model	Capacity	Min. Height	Lifting Range	Max. Height	Weight	Product Code
	t	mm	mm	mm	kg	
MSJ003	3.2	200	110	310	4	814003003
MSJ005	5	250	130	380	5.7	814003005
MSJ008	8	260	140	400	5.9	814003008
MSJ010	10	280	150	430	7.4	814003010
MSJ016	16	320	180	500	10.8	814003016
MSJ020	20	325	180	505	11	814003020
MSJ025	25	275	130	405	9.7	814003025
MSJ032	32	395	200	595	17.7	814003032
MSJ050	50	452	250	702	32	814003050
MSJ100	100	452	200	652	63.5	814003100
MSJ200	200	472	200	672	115	814003200
MSJ320	320	540	200	740	180	814003320



# RATCHET JACK AND FARM JACK

## Features

- Ratchet jacks are widely used in railway track maintenance, ship yards, oil fields, mining and construction work.
- Multiple-tooth pawls for strength and safety.
- Large base ensures a firm foundation.
- Drop forged alloy steel components.
- Plated springs to resist corrosion.
- Double-lever sockets for jacking in close quarters.
- Supports full rated capacity on the toe or the cap.

## RATCHET JACK, MRTJ TYPE

Model	Capacity		Min. Height		Lifting Height	Max. Height		Weight	Product Code
	Top	Toe	Top	Toe		Top	Toe		
	t	t	mm	mm		mm	mm		
MRTJ-05	5	2.5	350	43	200	550	243	9	812001005
MRTJ-10	10	5	420	45	200	620	245	15	812001010
MRTJ-15	15	7.5	590	60	280	870	340	25	812001015



## FARM JACK, FJ TYPE

### Features

- Ideal for loading and off-loading vehicles, moving heavy objects, tensioning of wire fences, removing tree stumps, and much more.
- Reversible ratchet mechanism enables jack to be used for lifting or lowering.
- Upper jaw is adjustable on beam, allowing jack to be used as a clamp.
- Versatile and lightweight.



FJ-20

FJ-33

FJ-48

FJ-60

Model	Size	Capacity	Min. Height	Lifting Height	Max. Height	Weight	Product Code
	inch						
FJ-20	20	3	125	325	508	12	813002020
FJ-33	33	3	125	545	660	13	813002033
FJ-48	48	3	125	915	1050	14	813002048
FJ-60	60	3	125	1195	1330	15	813002060

# CRANE FORK

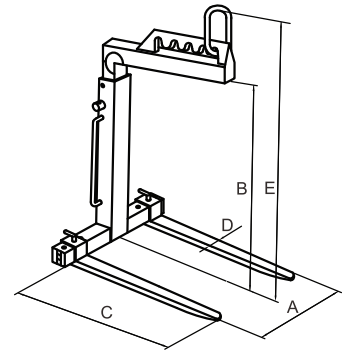
Crane forks are a hook suspended piece of lifting equipment used to lift pallets of equipment in areas of the work place that a fork lift truck cannot reach. There are two main types of crane forks, manual balance crane fork (CFA type) and self weight balance crane fork (CFB type).

## MANUAL BALANCE CRANE FORK, CFA TYPE

### Features

- CFA type crane fork needs the operator to adjust the hoist hook position on the forks to ensure the load is picked up correctly,
- Easily adjustable tines for all pallet sizes.
- Maintenance free.
- Highly visible safety colour.
- For transporting rings or coils, simply push fork tines together.
- Supplied with chain for securing the load.
- Safety factor: 4:1

Model	Lifting Capacity	Adjusting Range	Effective Height	Fork Length	Fork Cross Section	Height	Weight	Product Code
	t	A mm	B mm	C mm	D mm	E mm	kg	
CFA010	1	350 - 900	1100 - 1600	1000	100 x 30	1390 - 1890	130	815001010
CFA015	1.5	350 - 900	1300 - 2000	1000	100 x 40	1600 - 2300	150	815001015
CFA020	2	400 - 900	1300 - 2000	1000	120 x 40	1640 - 2340	200	815001020
CFA030	3	450 - 900	1300 - 2000	1000	120 x 50	1670 - 2370	250	815001030
CFA050	5	530 - 1000	1300 - 2000	1000	150 x 60	1700 - 2470	370	815001050

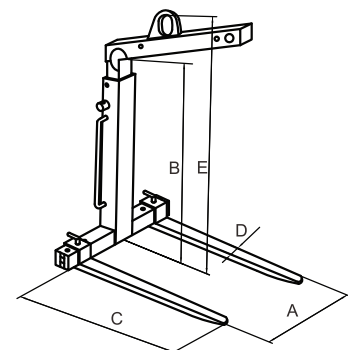


## SELF WEIGHT BALANCE CRANE FORK, CFB TYPE

### Features

- CFB type crane fork requires no manual intervention to level the load.
- Equipped with adjustable tines, adjustable mast height and a self weight balancing system.
- A prerequisite for the functionality is an even load distribution and a useful load of at least 25% of the load bearing capacity.
- Crane forks with self weight balancing, tend to point their tines upwards when being transported, this prevents the load from unintentionally slipping off the tines. The self-weight balancing mechanism returns the lifting point to the unloaded position when the load is set down.
- Safety factor: 4:1

Model	Lifting Capacity	Adjusting Range	Effective Height	Fork Length	Fork Cross Section	Height	Weight	Product Code
	t	A mm	B mm	C mm	D mm	E mm	kg	
CFB010	1	350 - 900	1100 - 1600	1000	100 x 30	1420 - 1920	140	815002010
CFB015	1.5	350 - 900	1300 - 2000	1000	100 x 40	1650 - 2350	165	815002015
CFB020	2	400 - 900	1300 - 2000	1000	120 x 40	1655 - 2355	220	815002020
CFB030	3	450 - 900	1300 - 2000	1000	120 x 50	1720 - 2420	280	815002030
CFB050	5	530 - 1000	1300 - 2000	1000	150 x 60	1710 - 2410	380	815002050



# ENGINE CRANE

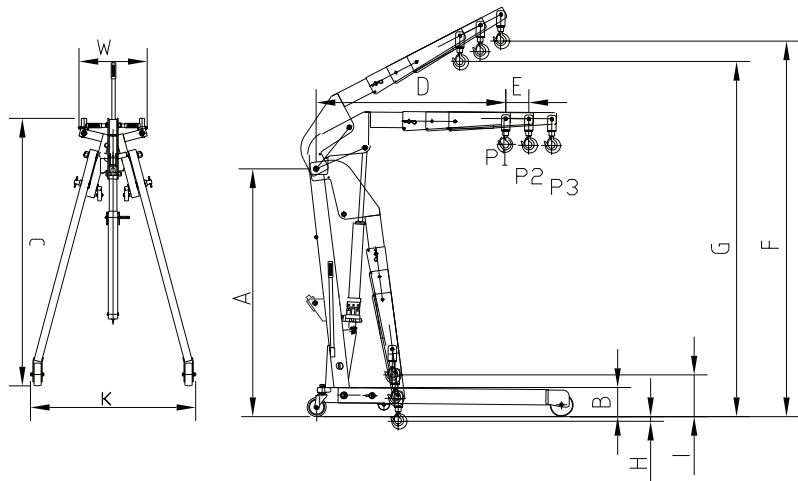
## ENGINE CRANE, ECA TYPE



Model	Capacity	Dimensions											Weight kg	Product Code
	P1/P2/P3	A	B	C	D	E	F	G	H	I	W	K		
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
ECA0500	500/425/350	1354	165	1582	897	102	2080	1920	130	330	470	960	75	816001005
ECA1000	1000/800/700	1597	90	1749	1231	150	2450	2320	/	280	460	1100	115	816001010
ECA2000	2000/1700/1500	1626	208	1911	1293	150	2700	2500	/	250	590	1170	165	816001020

### Features

- Ideal for use in home workshops and garages.
- Three hook positions give different load ratings whilst enabling a longer or shorter reach.
- Overload protection via a relief valve.
- Forged heavy duty swivel hook.
- 125% overload test applied.



## ENGINE CRANE, ECD TYPE



Model	Capacity	Dimensions					Characteristics	Weight	Product Code
	P1/P2/P3/P4	Max. Height	Min. Height	Carton1	Carton2	Carton3		kg	
	kg	mm	mm	mm	mm	mm		kg	
ECD1000	1000/750/500/250	2000	110	139x27x17	73x52x9	—	Foldable	72	816004010
ECD2000	2000/1500/1000/500	2250	0	150x27x17	84x56x9	—	Foldable	85	816004020
ECD3000	3000/2000/1500/1000	2350	0	133x83x11	142x30x21	71x18x16	Unfoldable	130	816004030



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